

FIG. 1

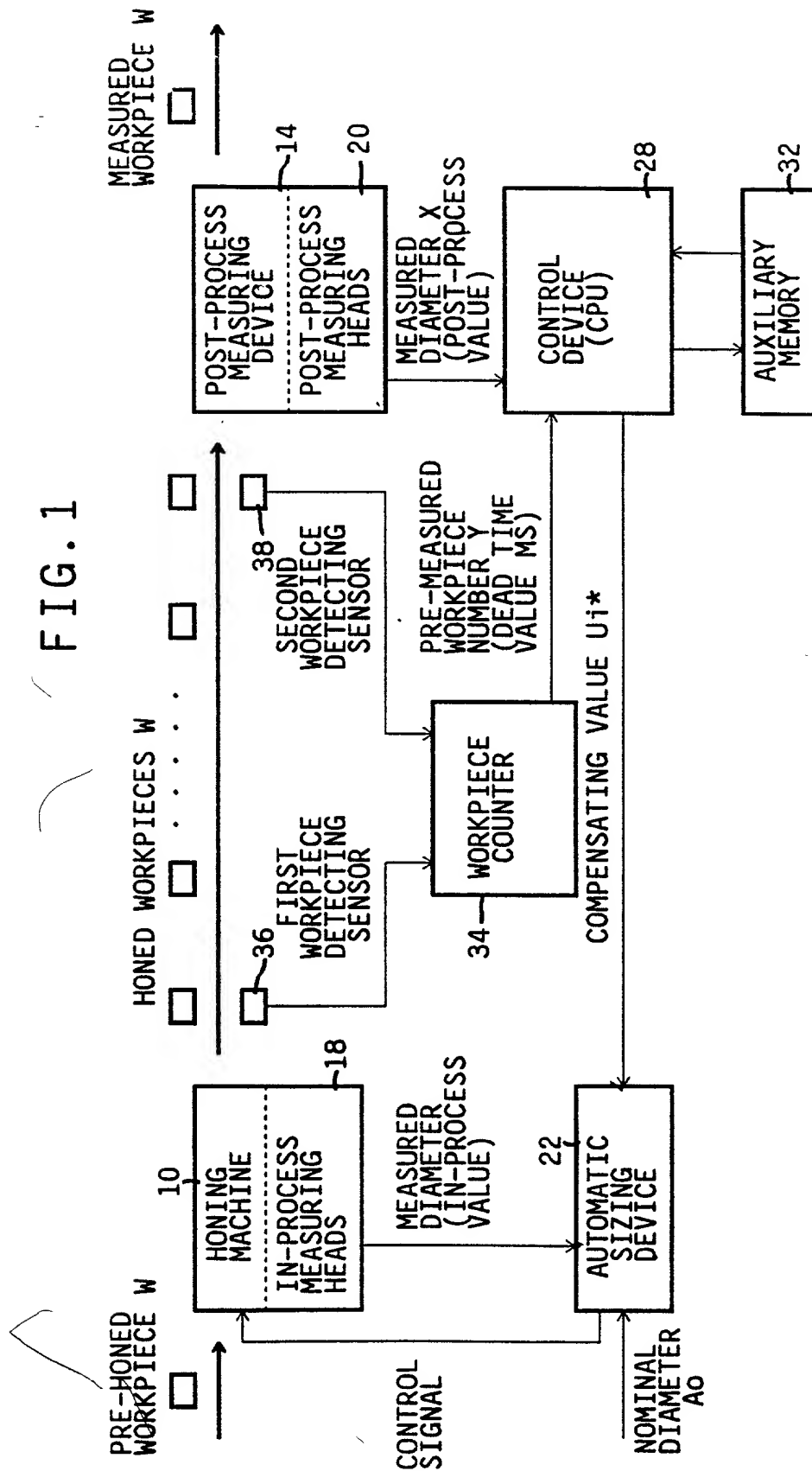


FIG. 2

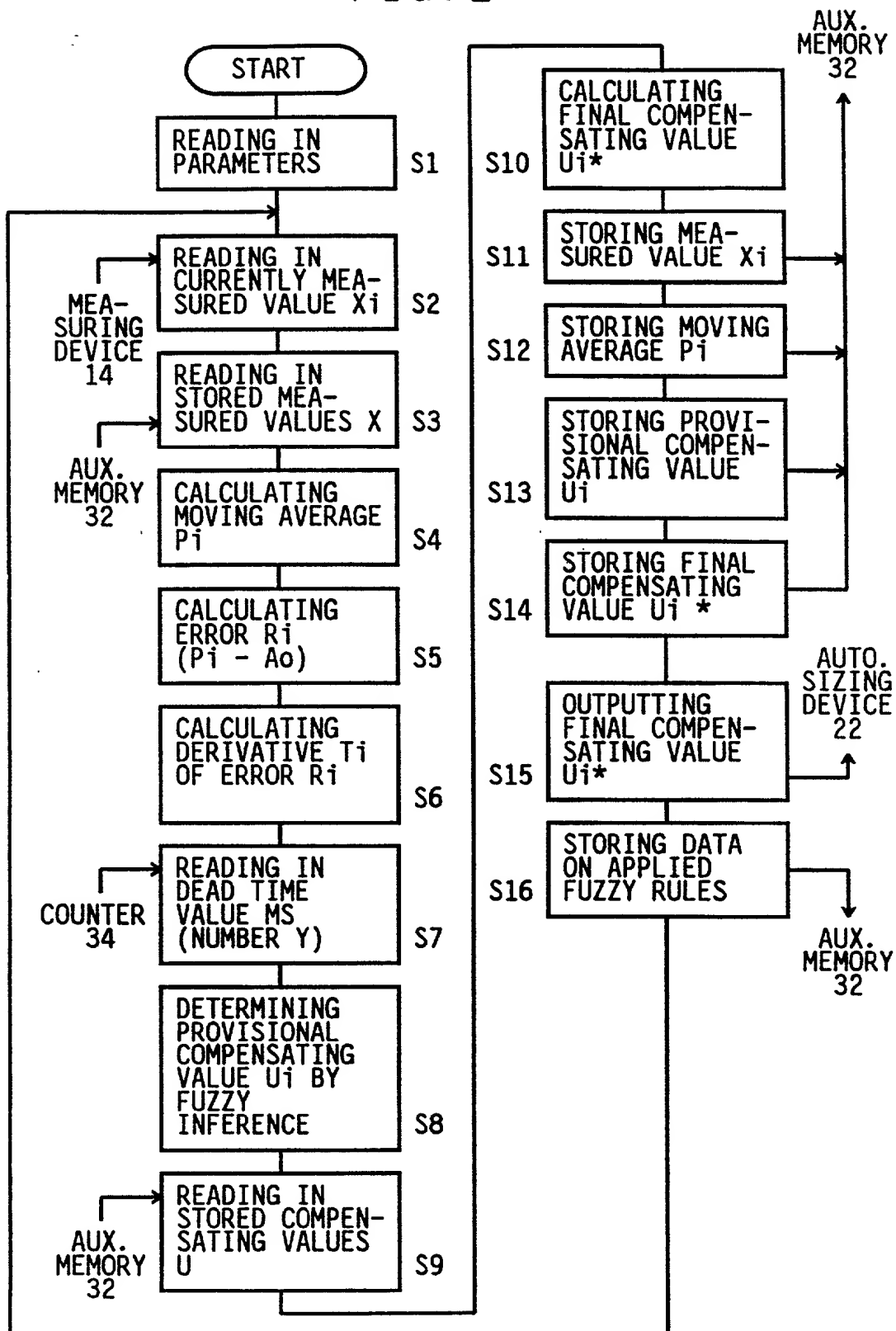


FIG. 3

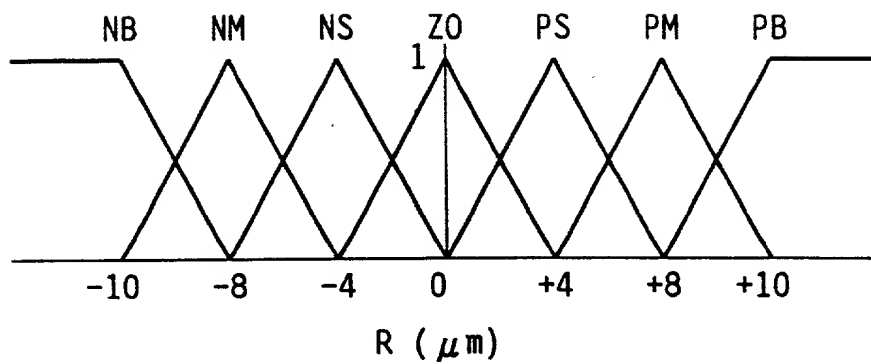


FIG. 4

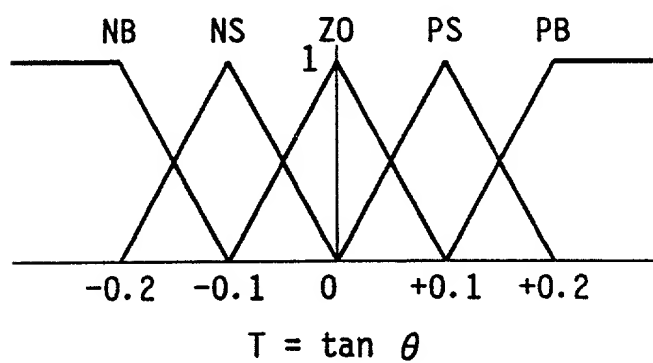


FIG. 5

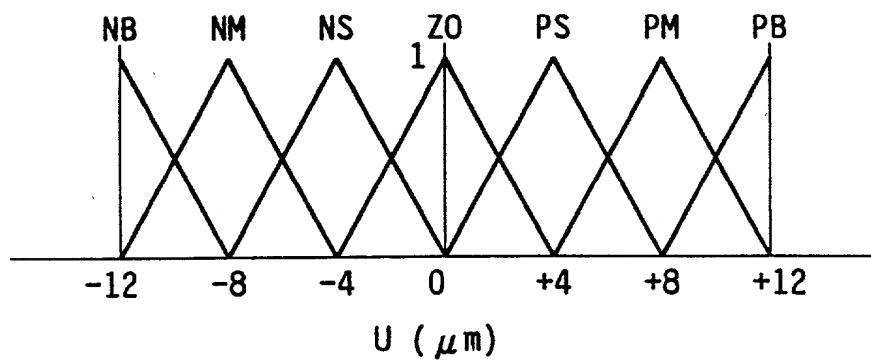


FIG. 6

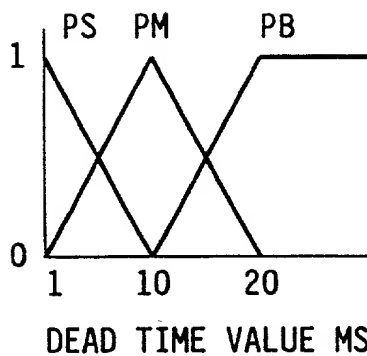
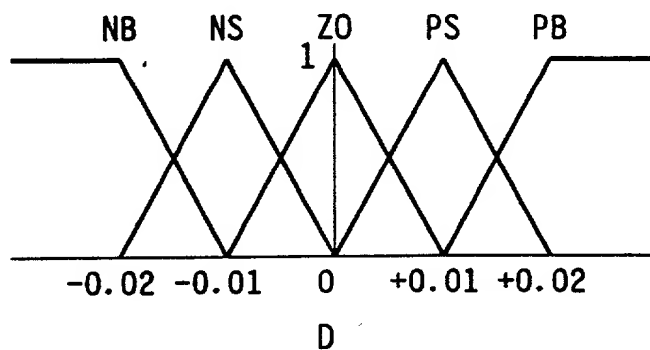


FIG. 7

DATA STORED IN AUXILIARY MEMORY 32				
MEASURED VALUES	MOVING AVERAGES	PROVI- SIONAL COMPEN- SATING VALUES	FINAL COMPEN- SATING VALUES	APPLIED FUZZY RULES
X0	P0	U0	U0*	.
X1	P1	U1	U1*	.
X2	P2	U2	U2*	.
.
.
Xi	Pi	Ui	Ui*	.
.
.

FIG. 18



AVERAGE = -7.894
ERROR = 2.396

FIG. 8

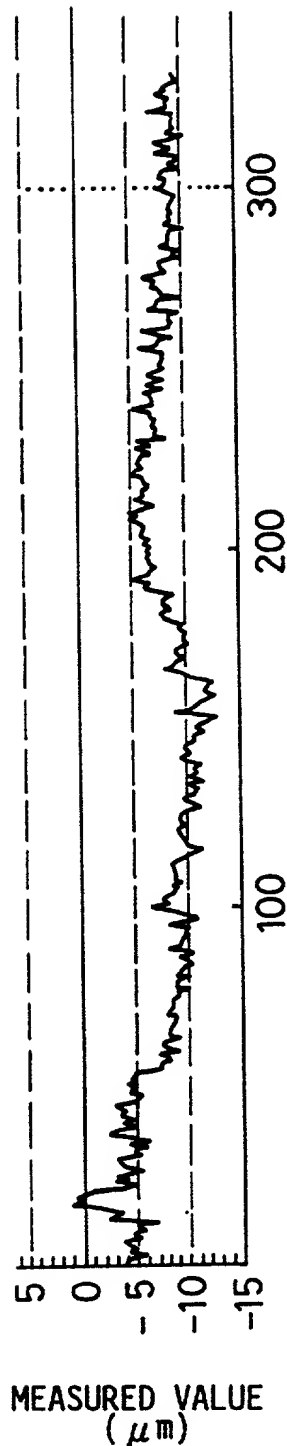


FIG. 9

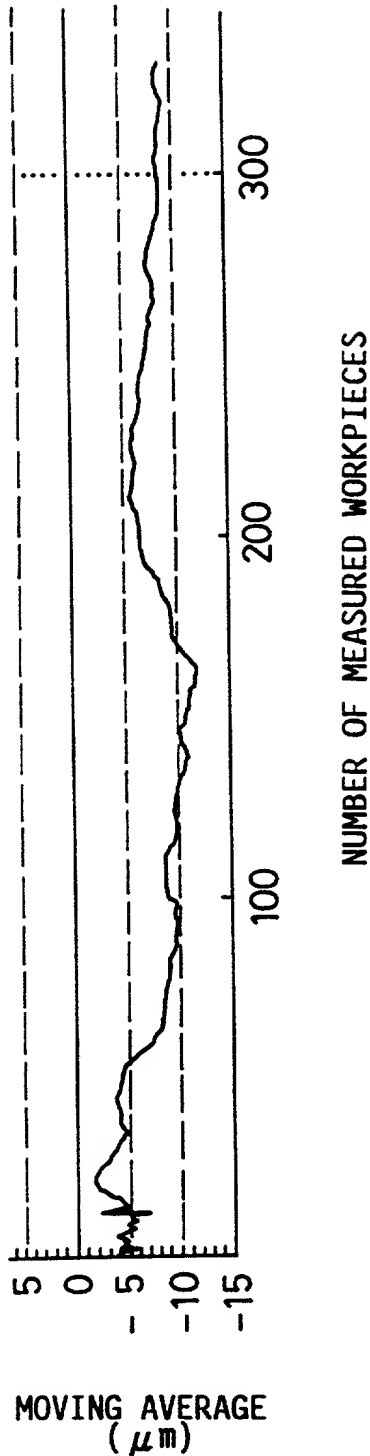


FIG. 10

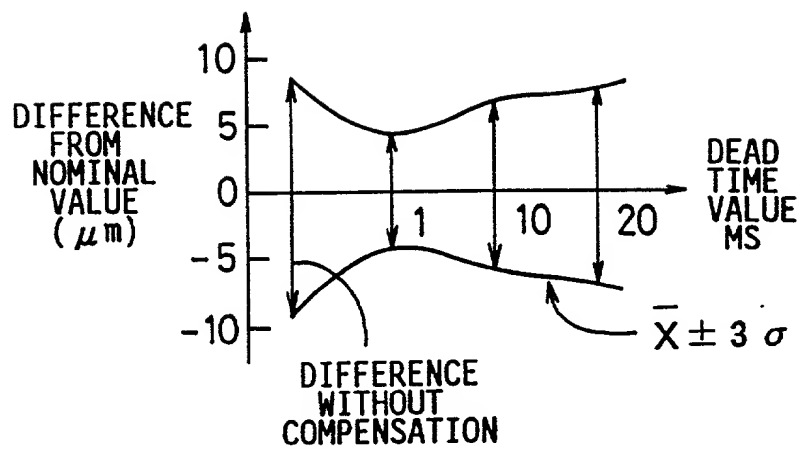


FIG. 11

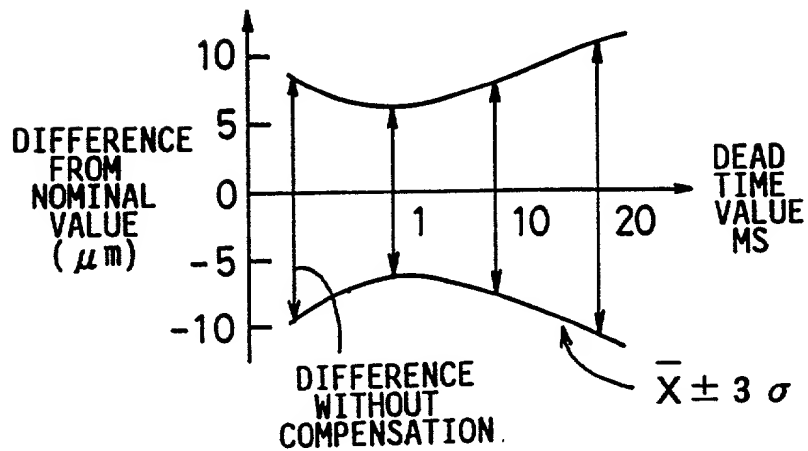


FIG. 12

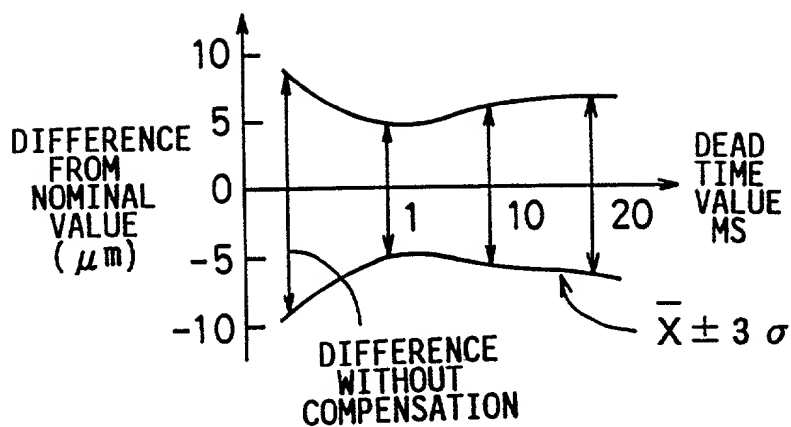


FIG. 13

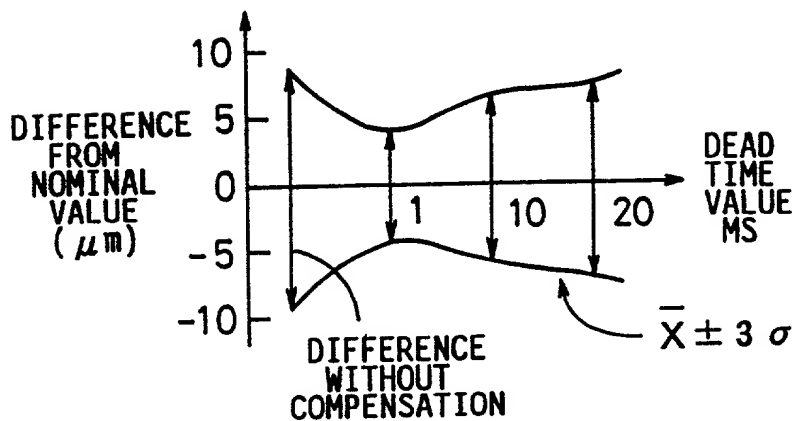


FIG. 14

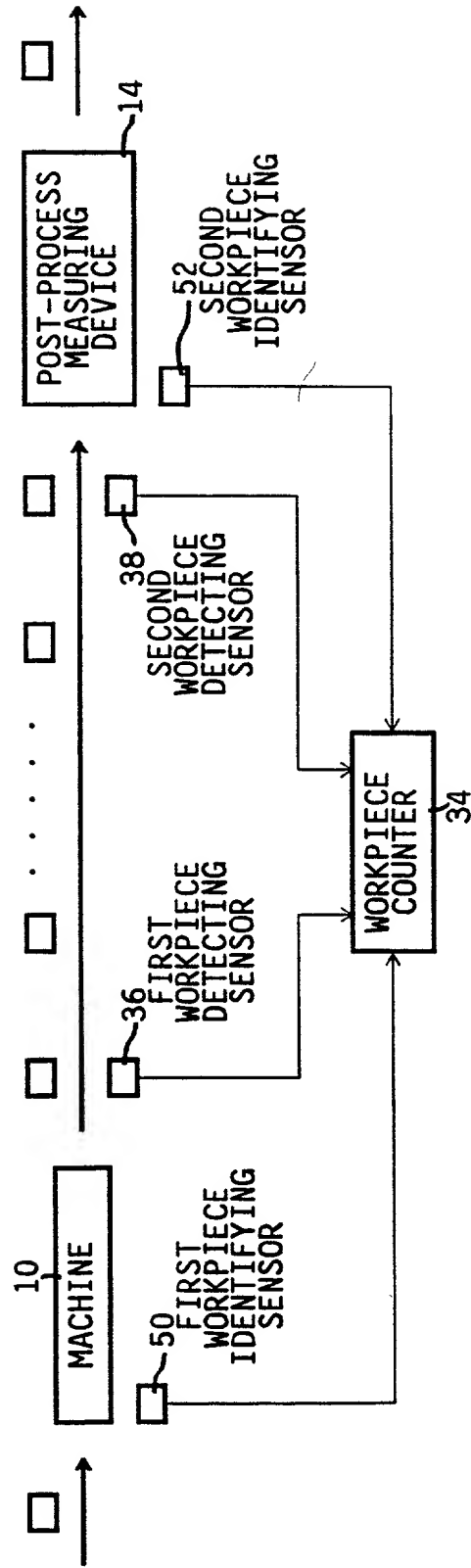


FIG. 15

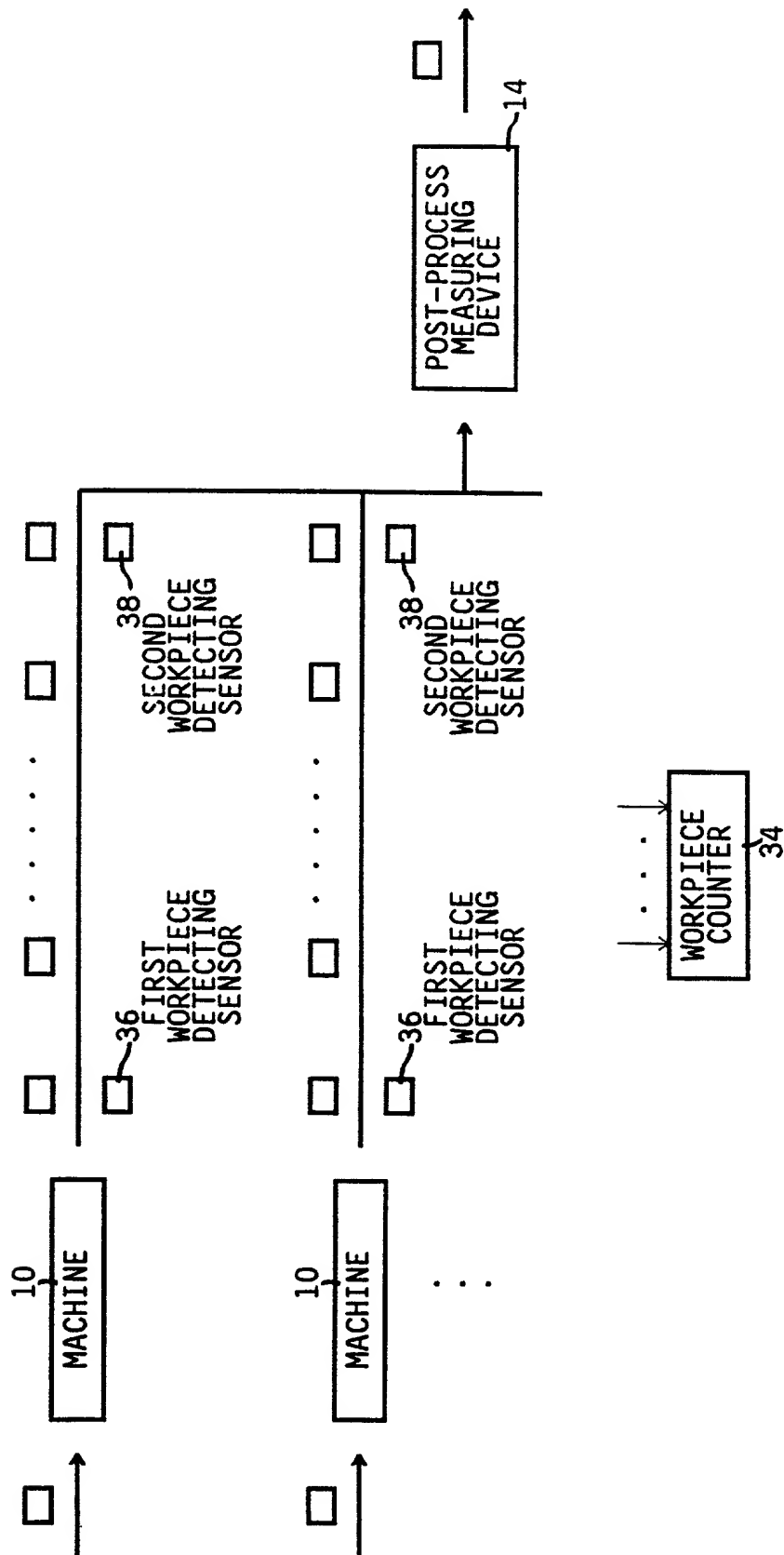


FIG. 16

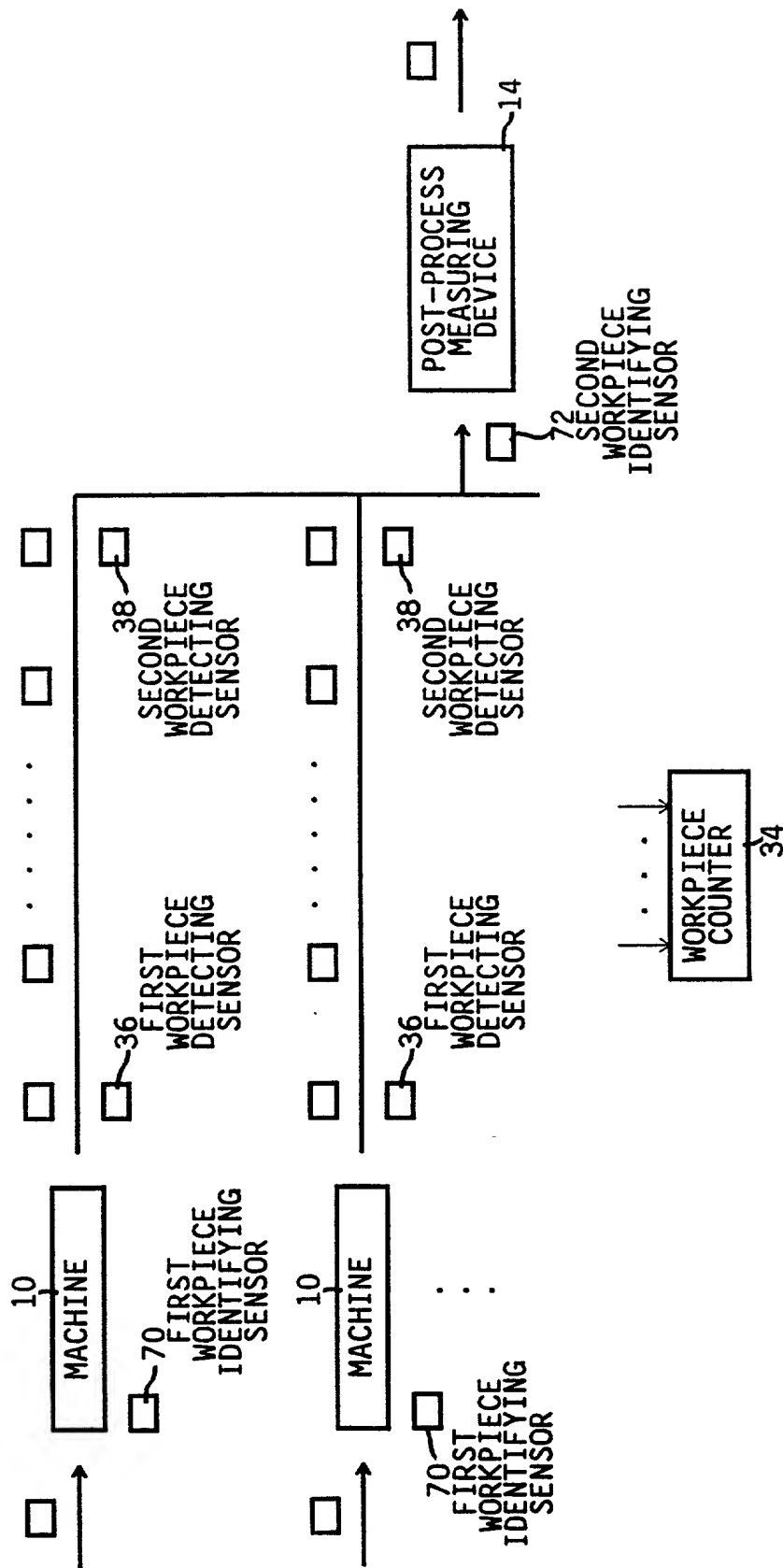


FIG. 17

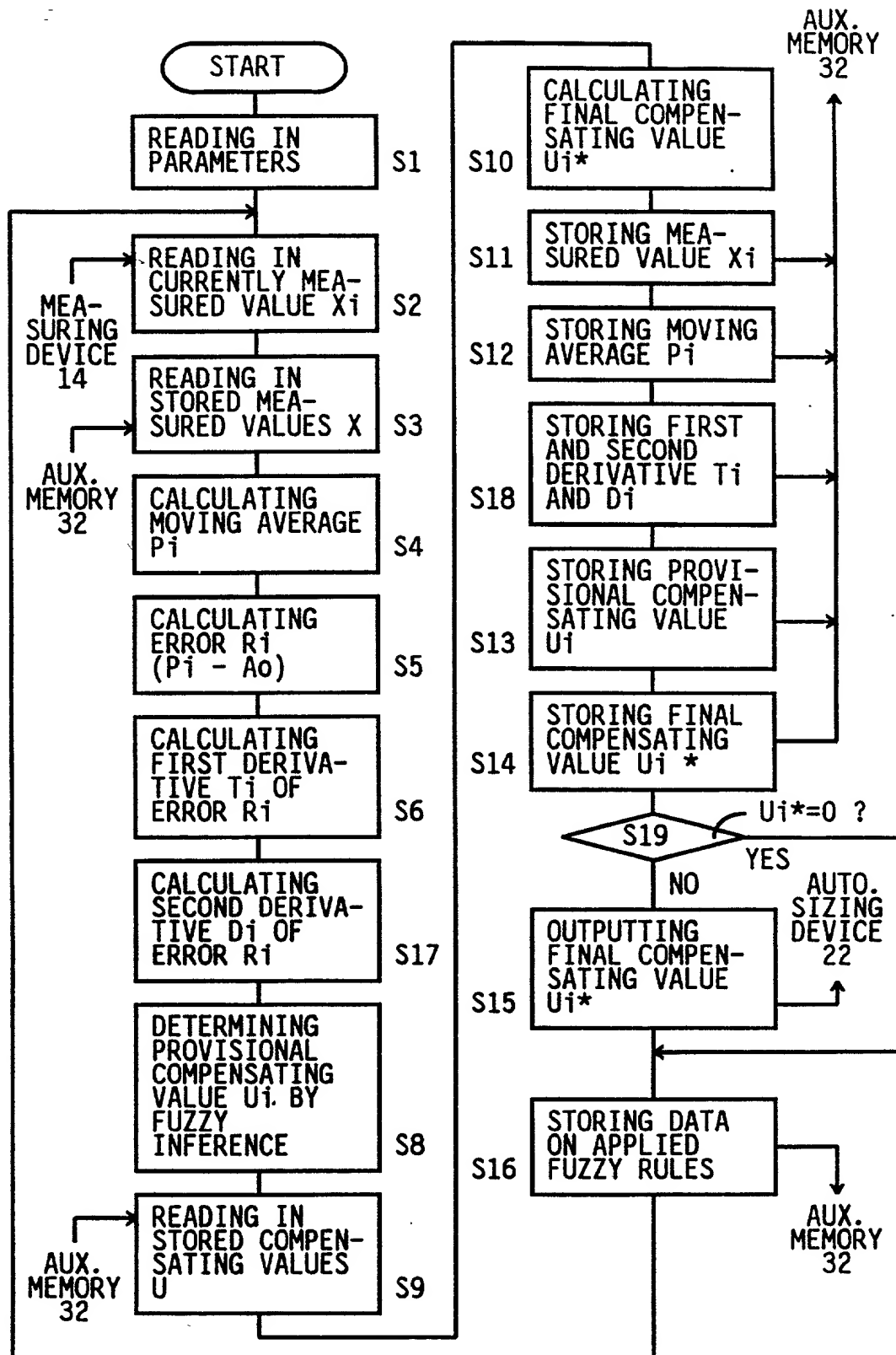


FIG. 19

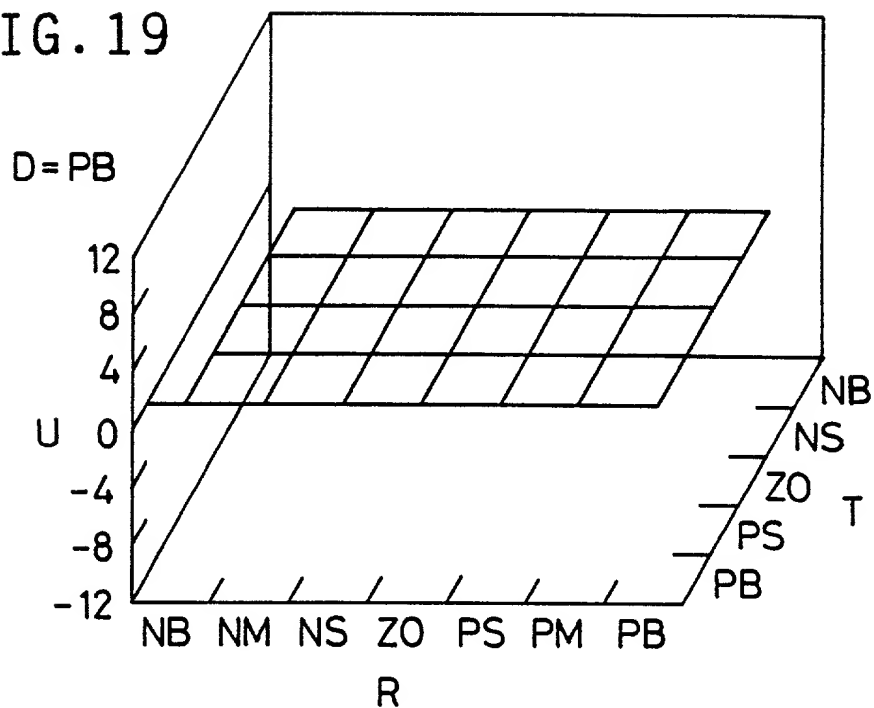
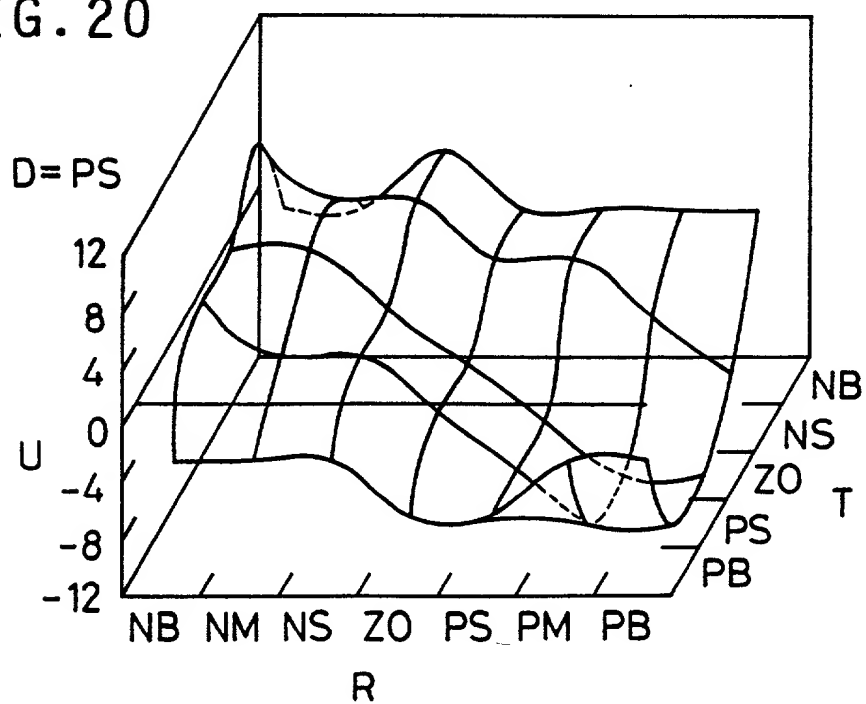


FIG. 20



[illegible][illegible]

FIG. 23

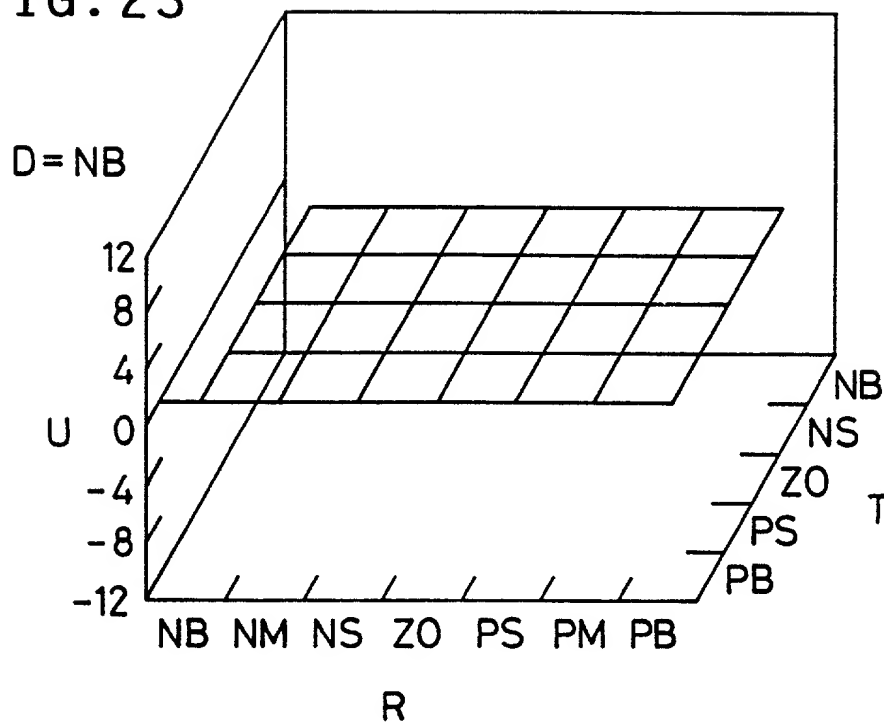


FIG. 24

AVERAGE = -5.147
ERROR = 1.055

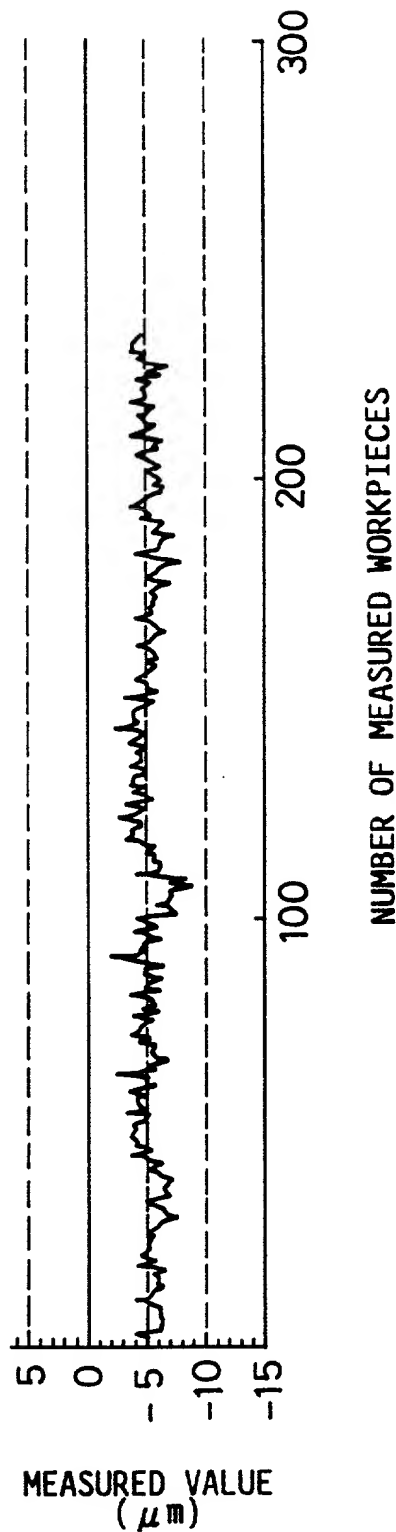
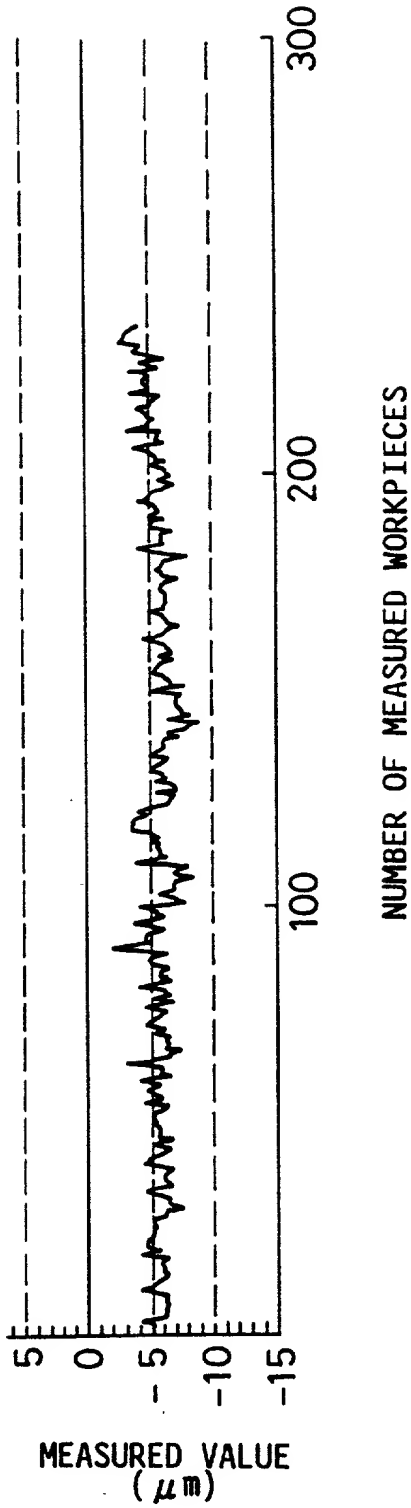


FIG. 25

AVERAGE = -5.753

ERROR = 1.055



AVERAGE = -8.378
 ERROR = 2.227

FIG. 26

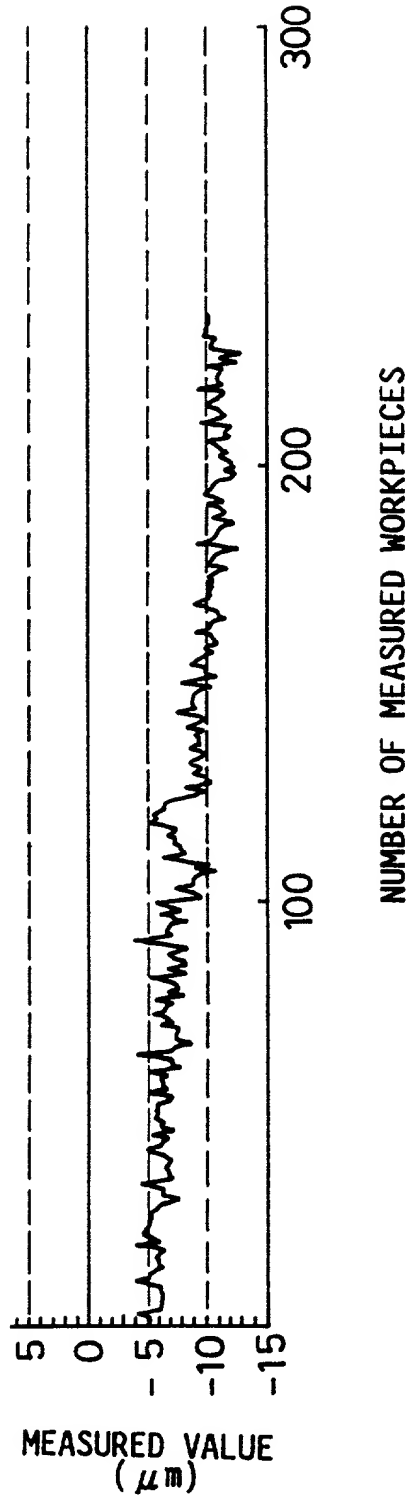


FIG. 27

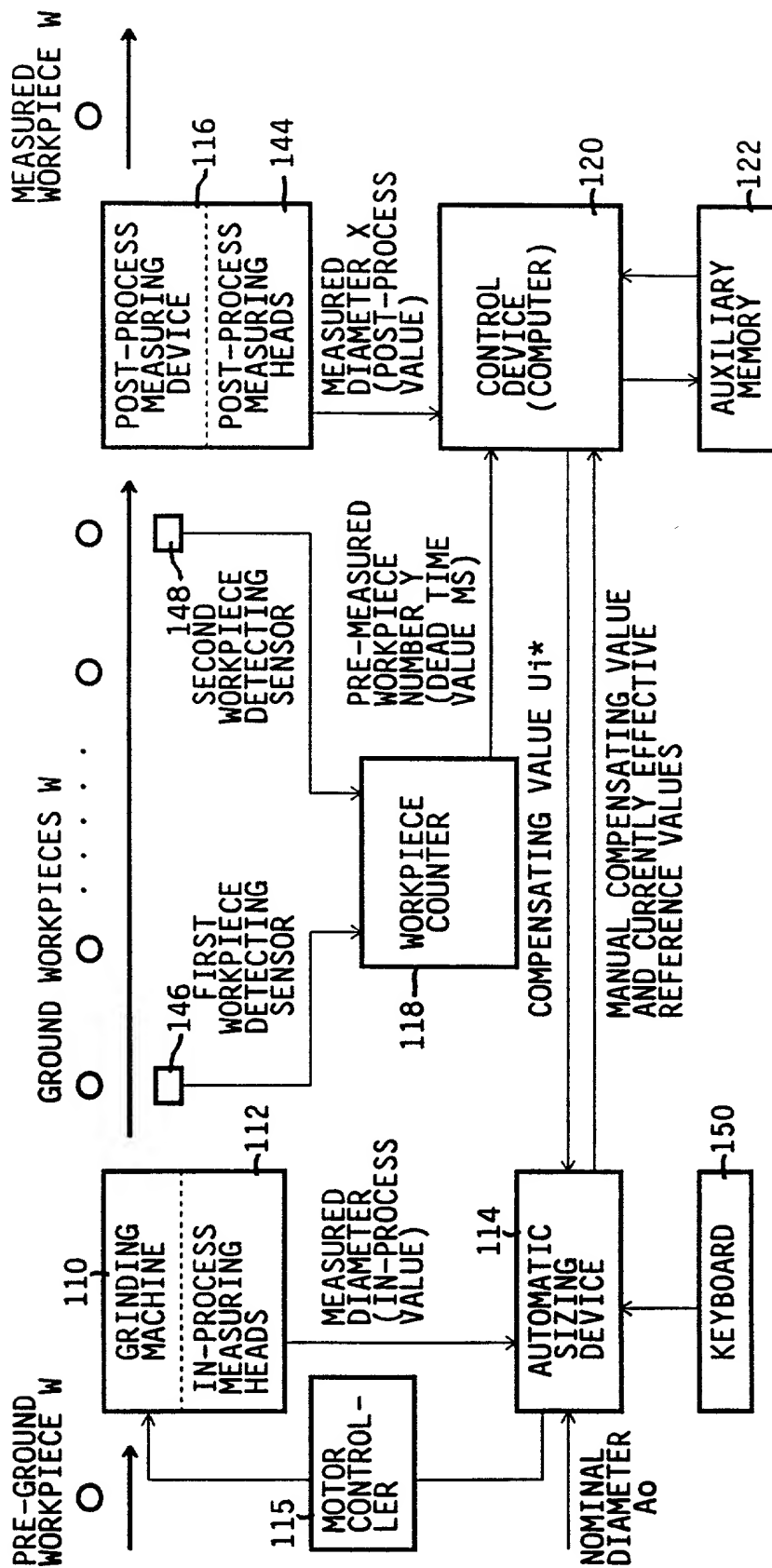


FIG. 28

FIG. 29

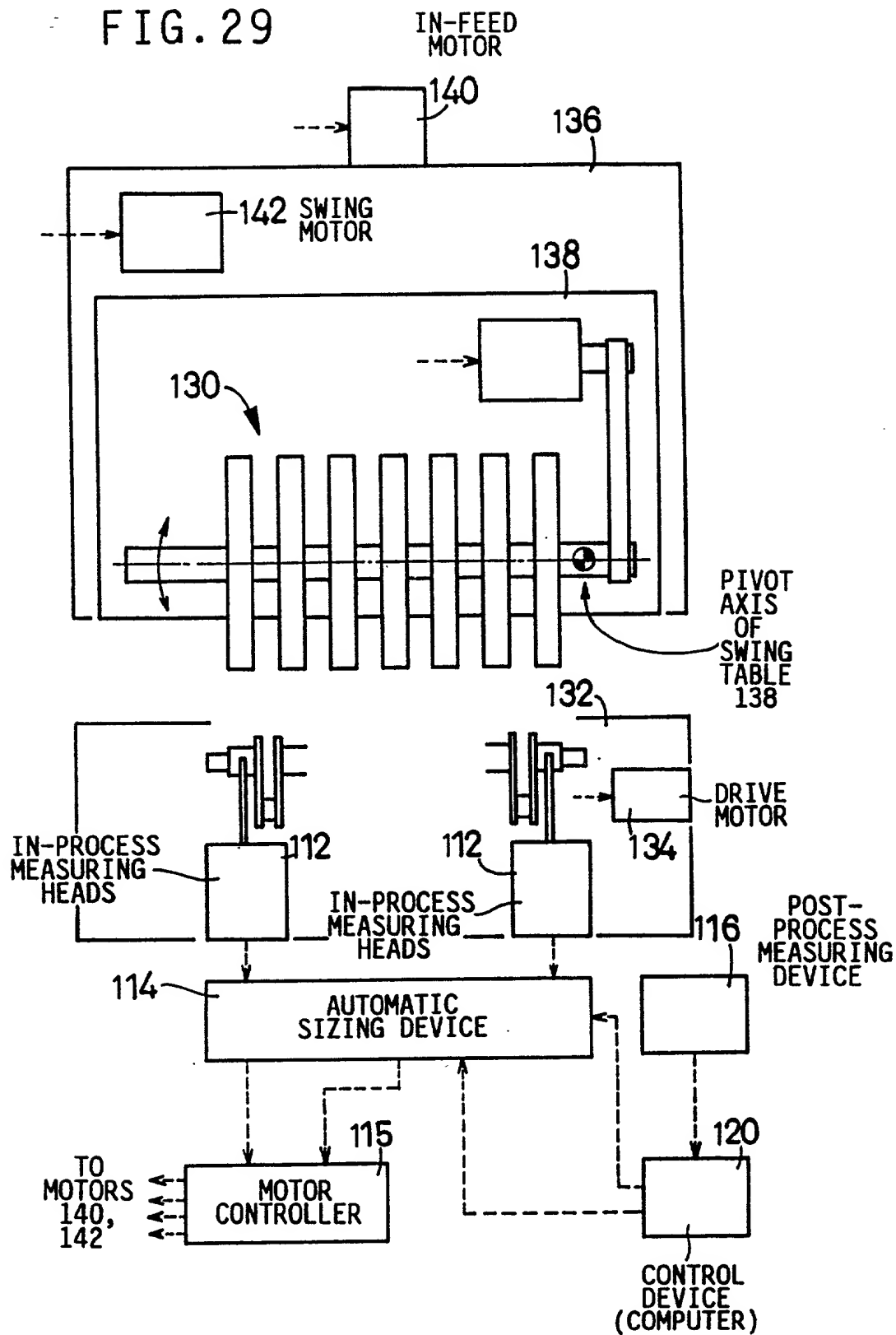


FIG. 30A

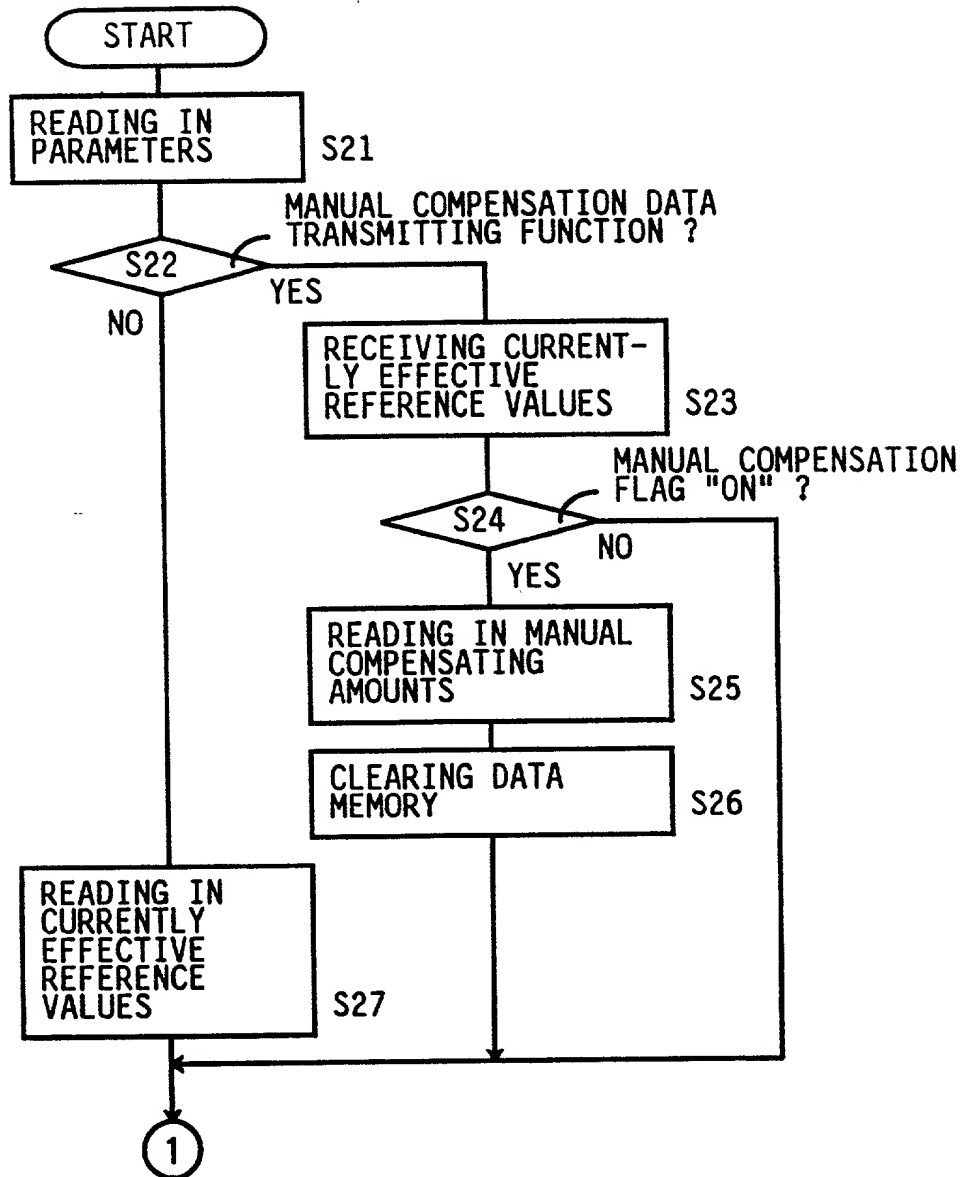


FIG. 30B

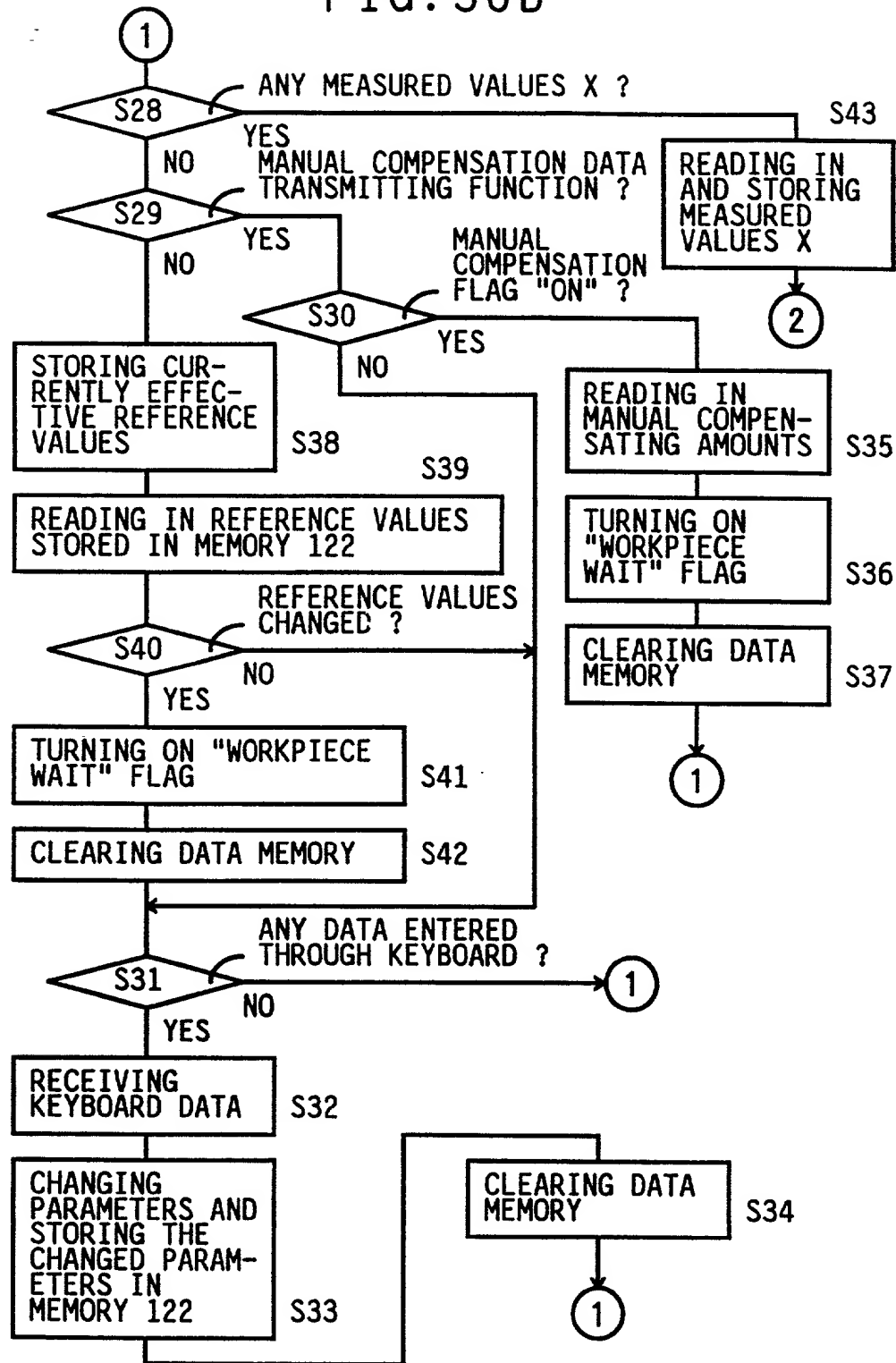


FIG. 31A

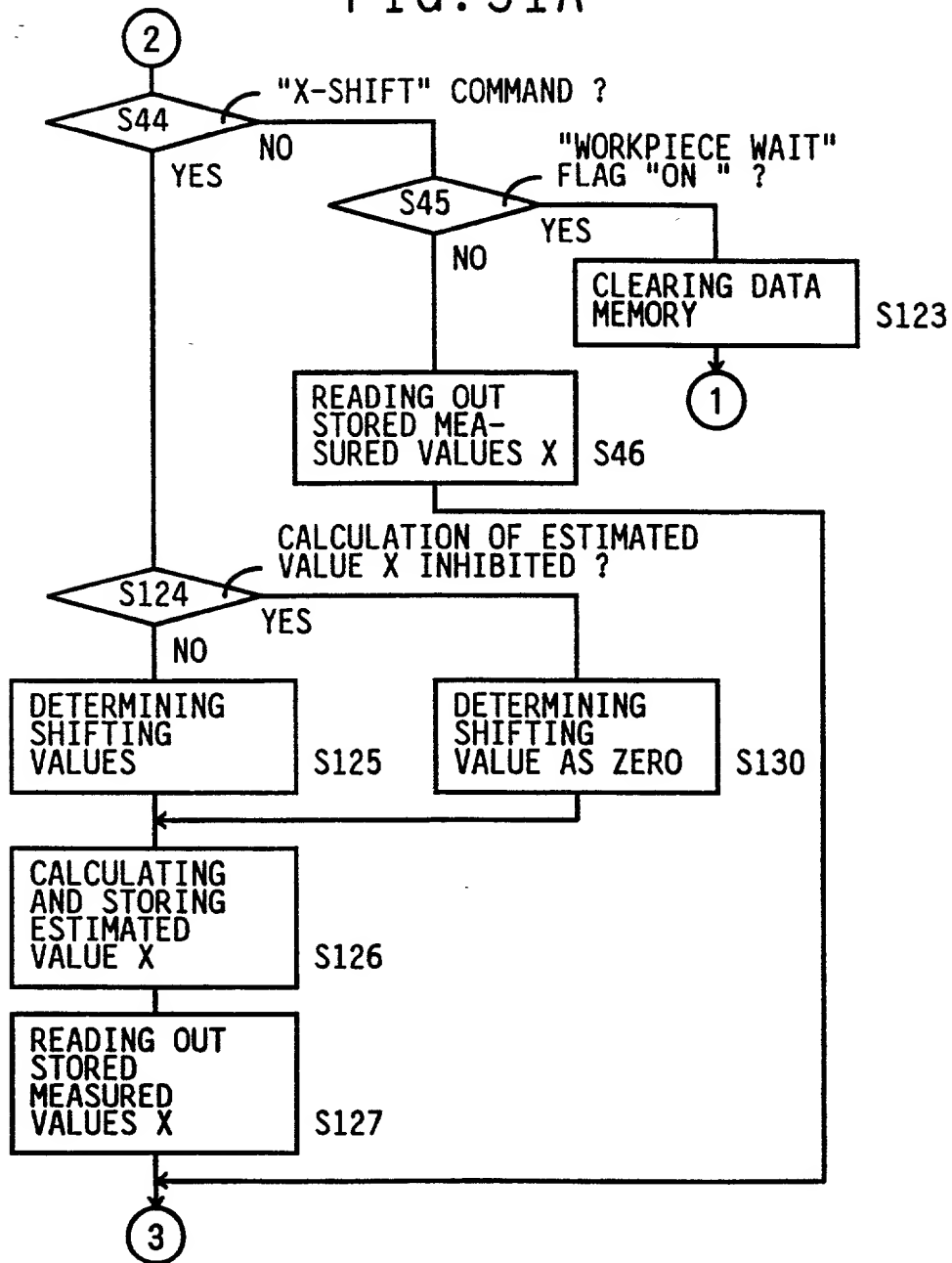


FIG. 31B

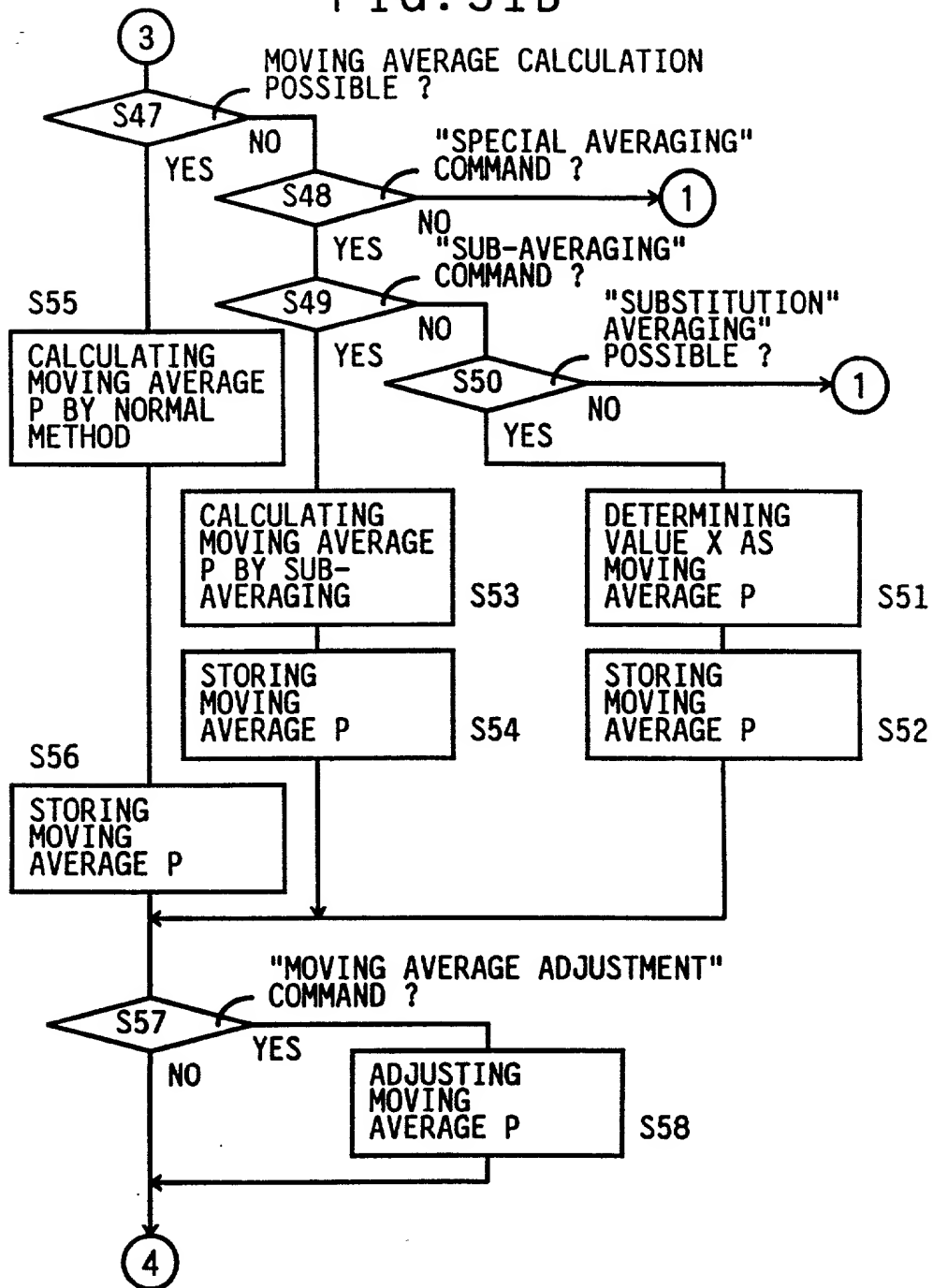


FIG. 32A

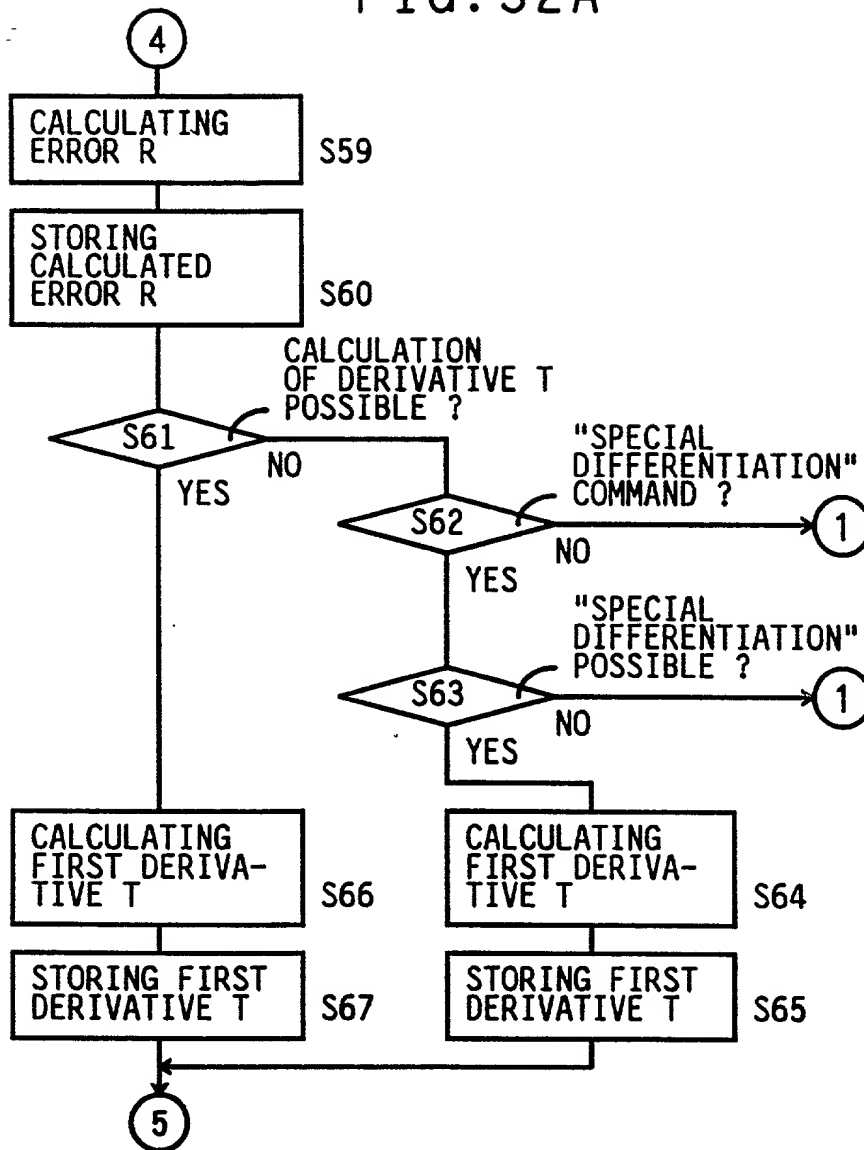


FIG. 32B

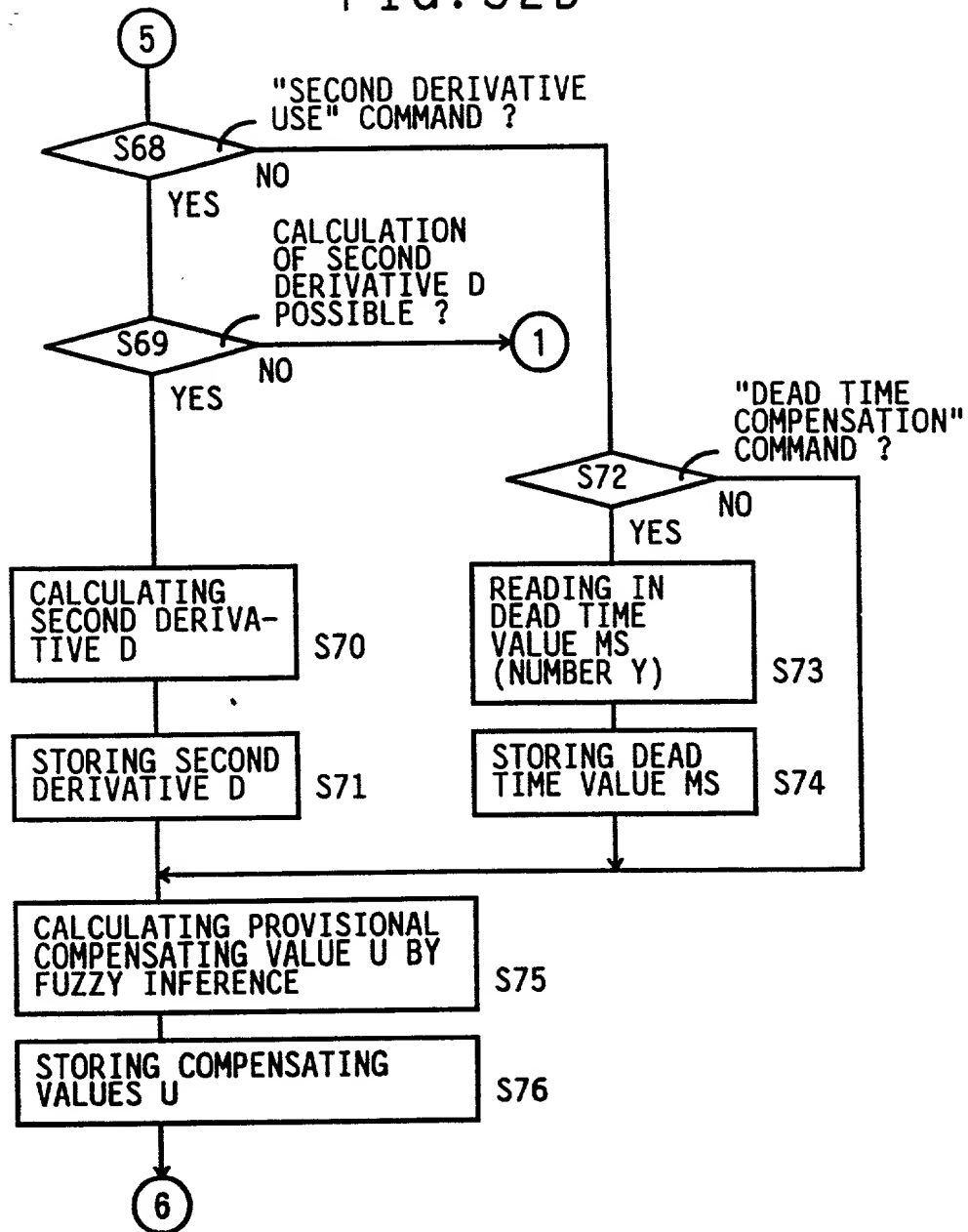


FIG. 33

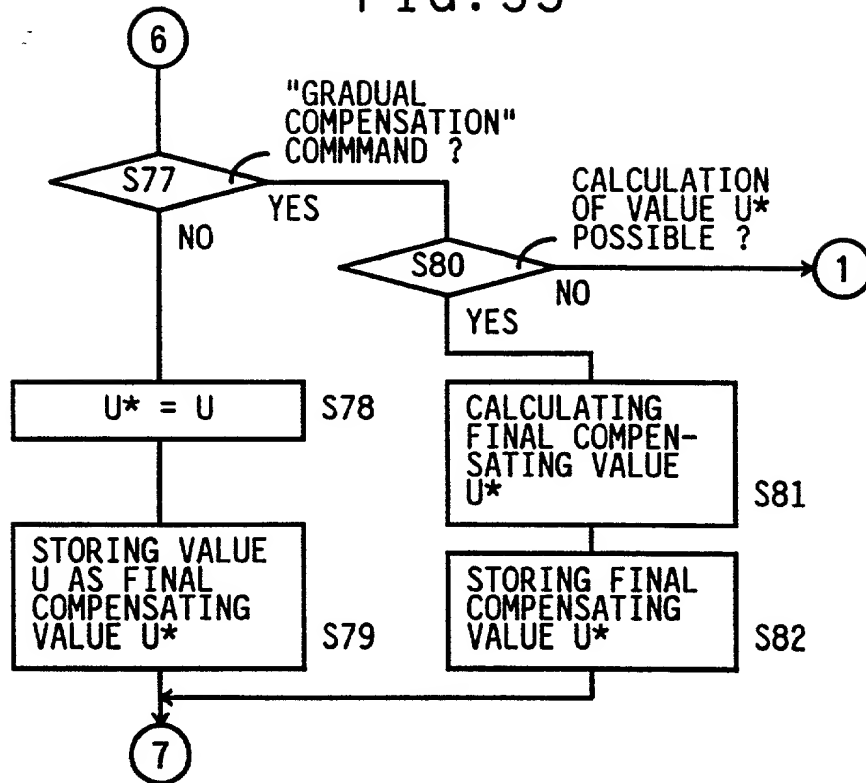


FIG. 34A

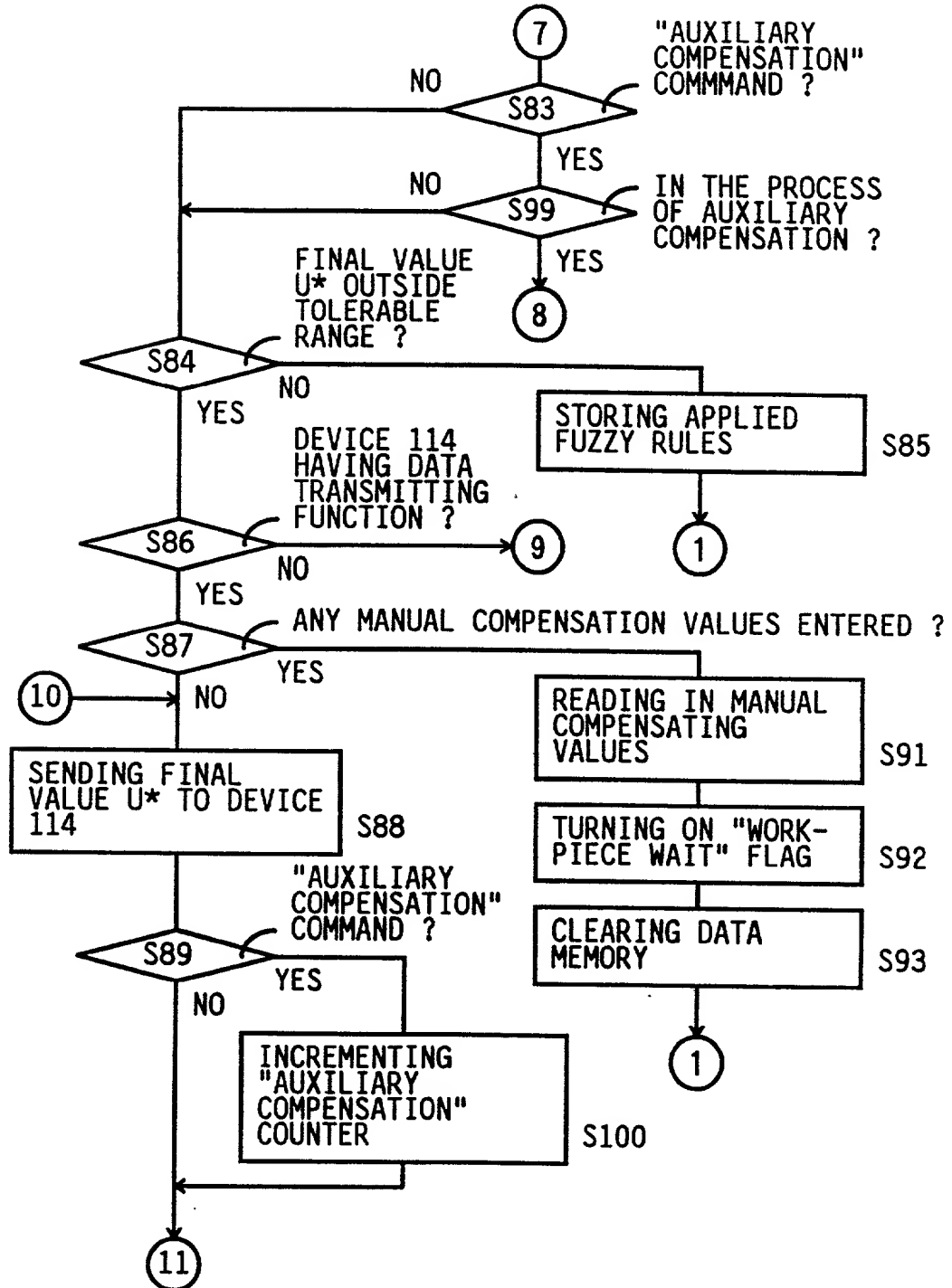
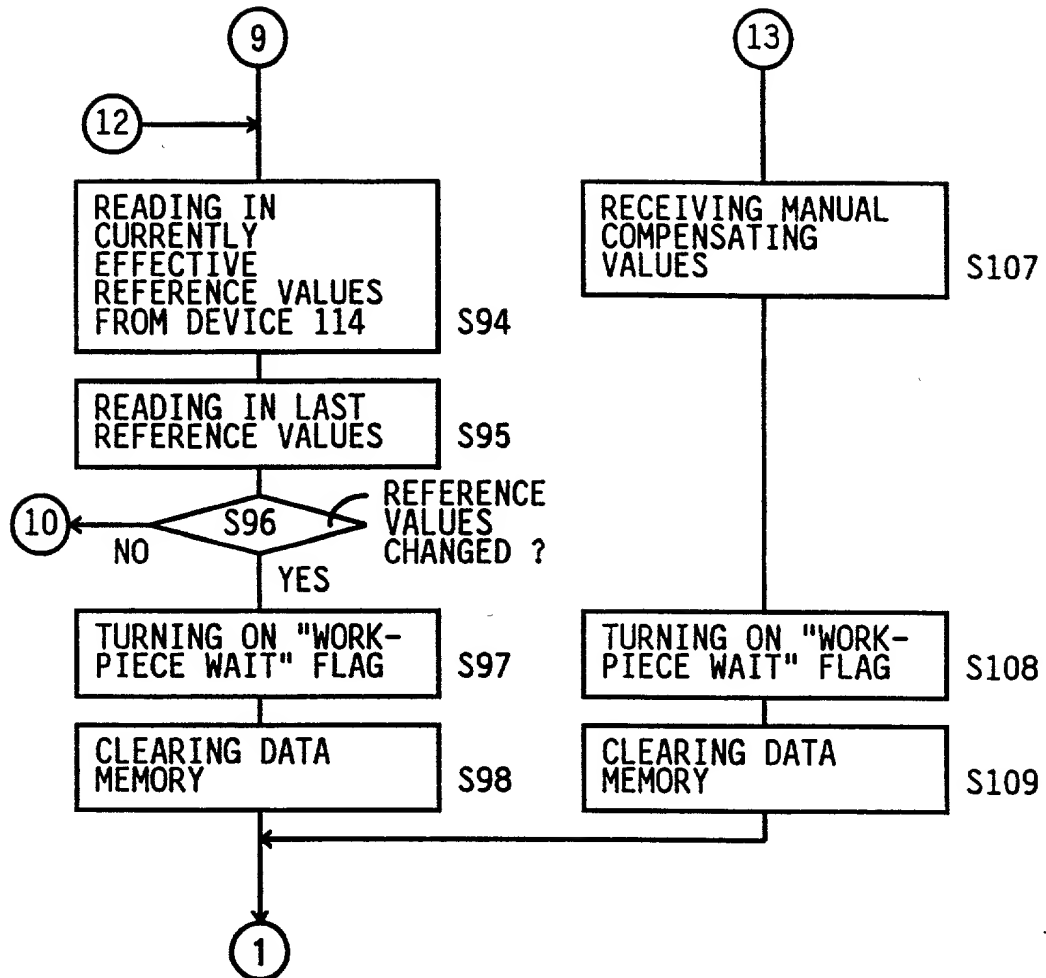


FIG. 34B



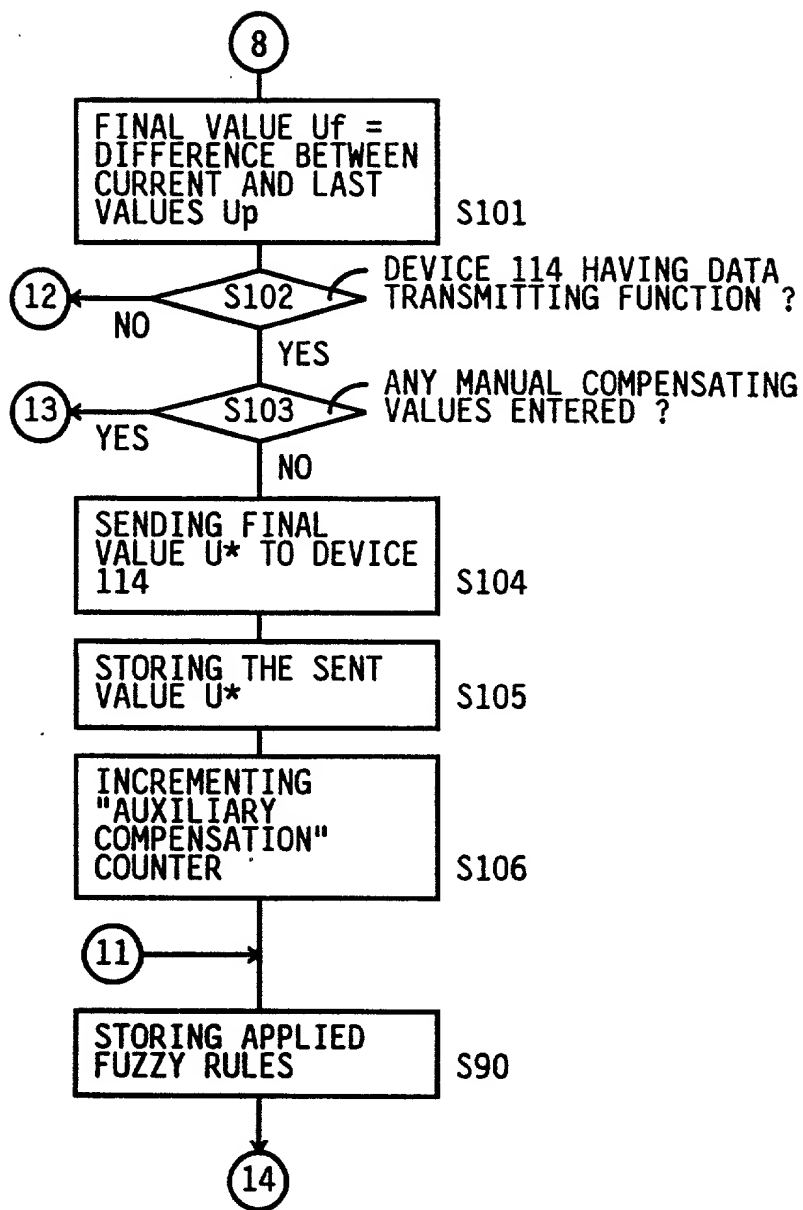
[illegible]

FIG. 35A

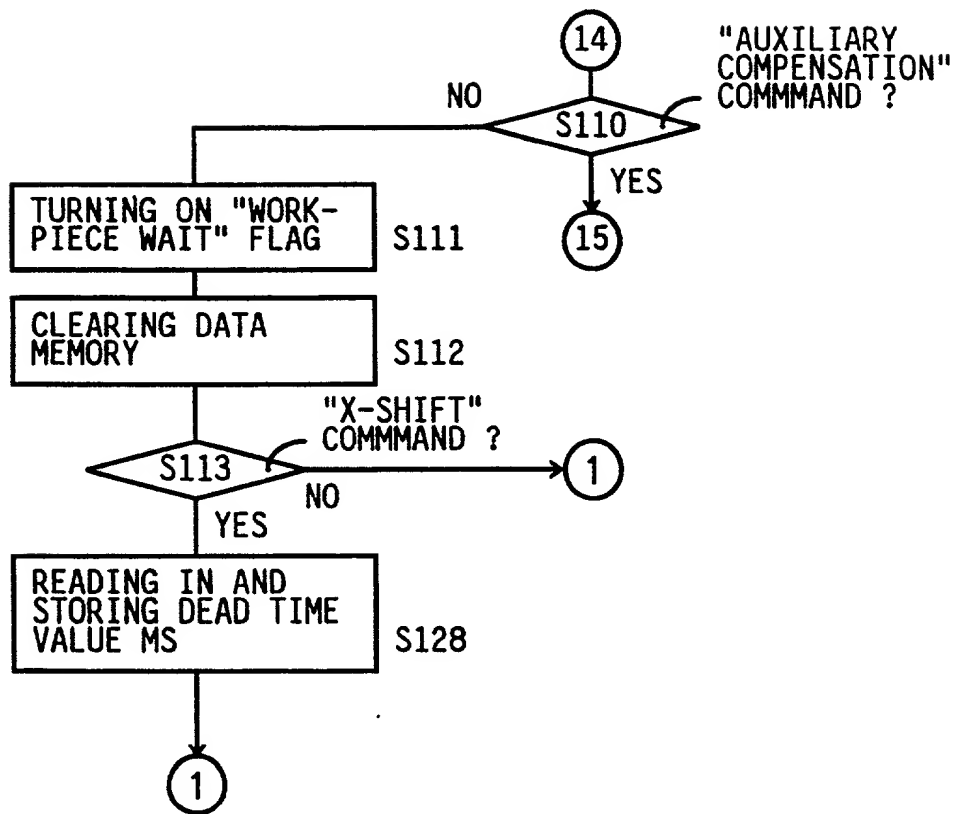


FIG. 35B

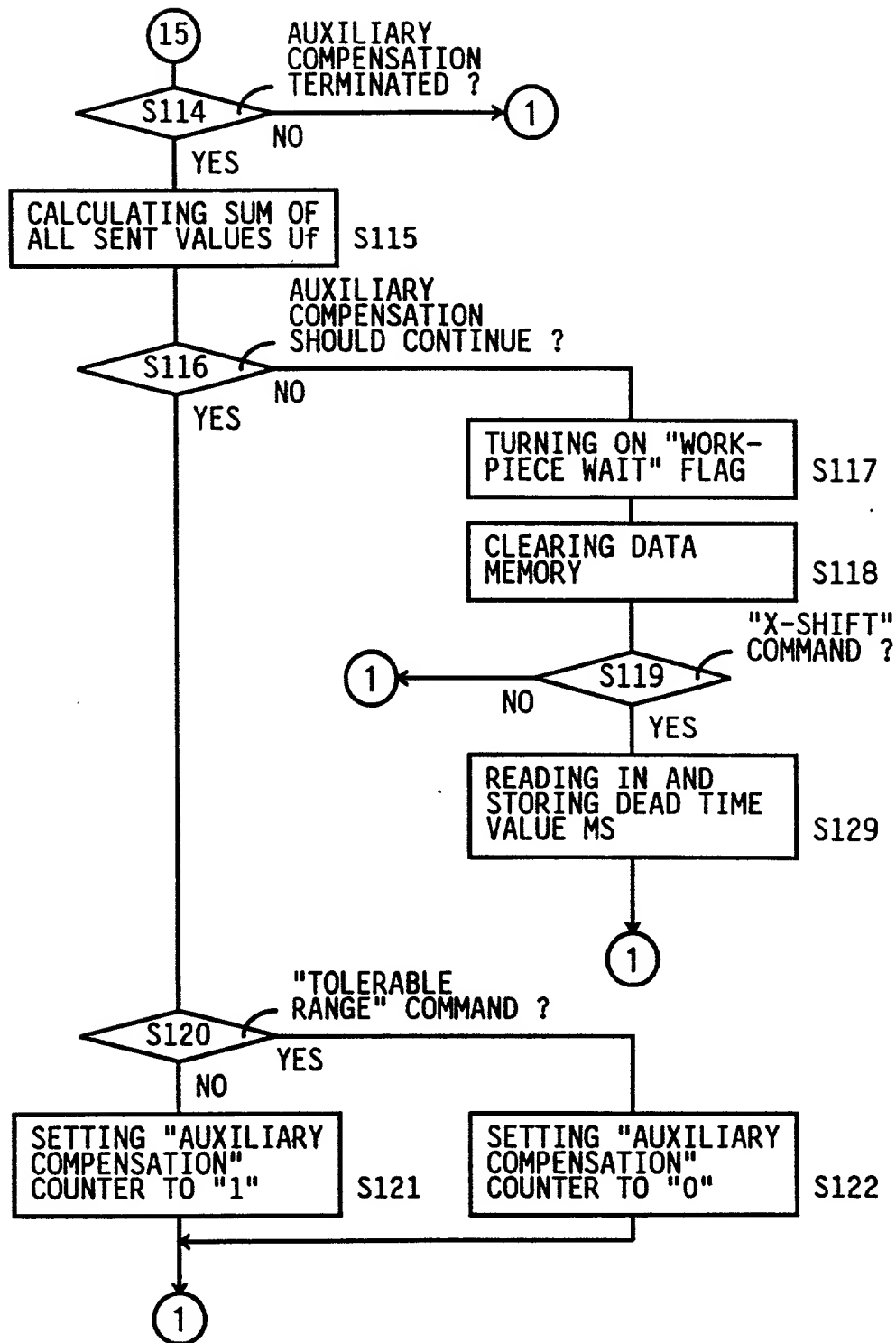


FIG. 36

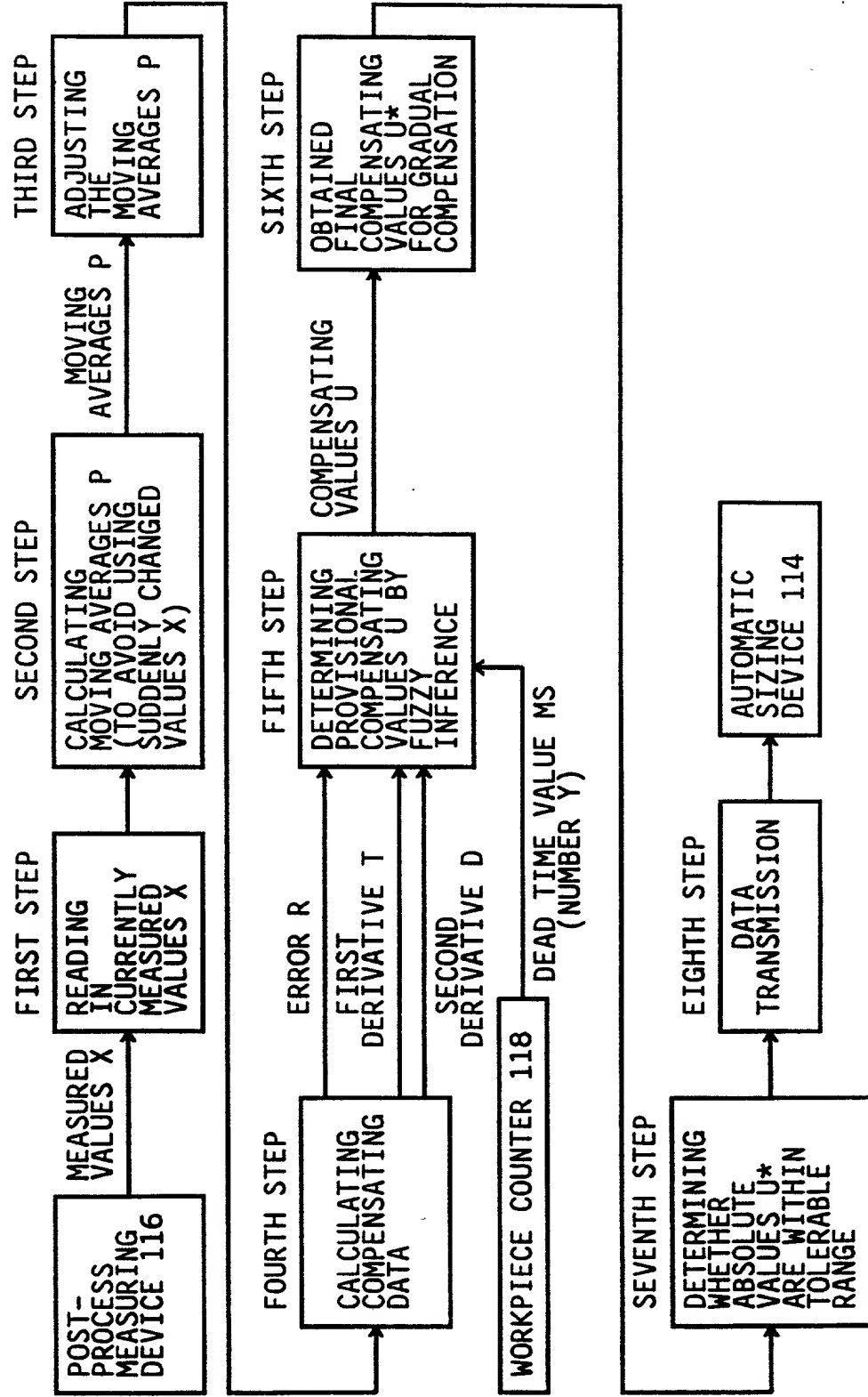
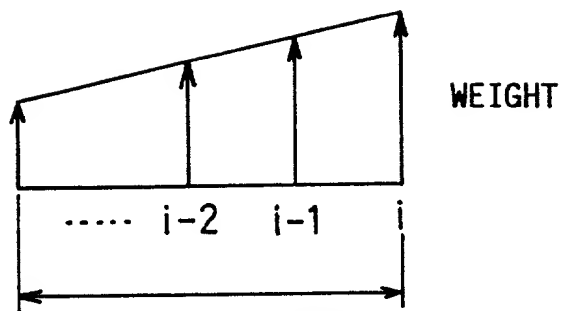
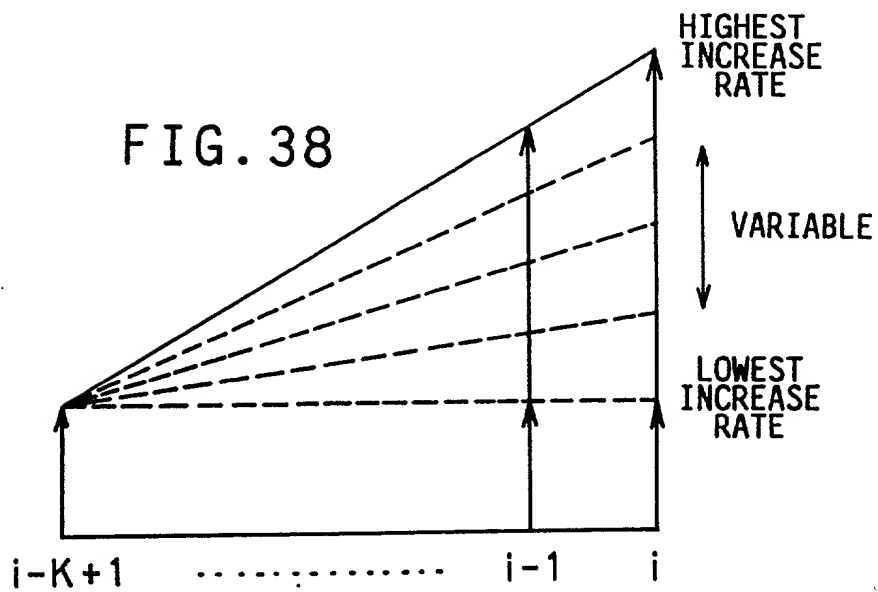


FIG. 37



K : NUMBER OF MEASURED VALUES
TO OBTAIN MOVING AVERAGE

FIG. 38



$$\left. \begin{array}{l} \text{ } \\ \text{ } \end{array} \right\}$$

DERIVATIVE

The diagram shows a sequence of sets and mappings. At the top, a row of five 'X's is grouped by a brace underneath labeled 'K'. Below each 'X' in this row is a solid downward arrow pointing to a row of five 'P's. These 'P's are then grouped by a brace underneath labeled 'L'. Below each 'P' in this row is a dashed downward arrow pointing to a row of five 'R's. These 'R's are grouped by a brace underneath labeled 'T'. Finally, a solid downward arrow points from the rightmost 'R' to a 'T' at the bottom right.

$$\left. \begin{array}{l} \text{---} \\ \text{---} \\ \text{---} \end{array} \right\}$$

DERIVATIVE
T

Diagram illustrating the decomposition of a 6x6 matrix into a product of three matrices K, Z, and L. The matrix is partitioned into blocks of size 3x3 and 3x3. The decomposition is shown as a sequence of operations: K (top 3x3 block), Z (middle 3x3 block), and L (bottom 3x3 block). The resulting matrix is the product of K, Z, and L.

[illegible]

FIG. 41

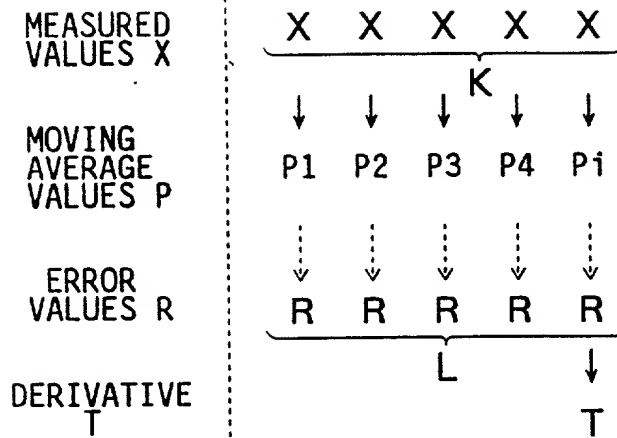


FIG. 42

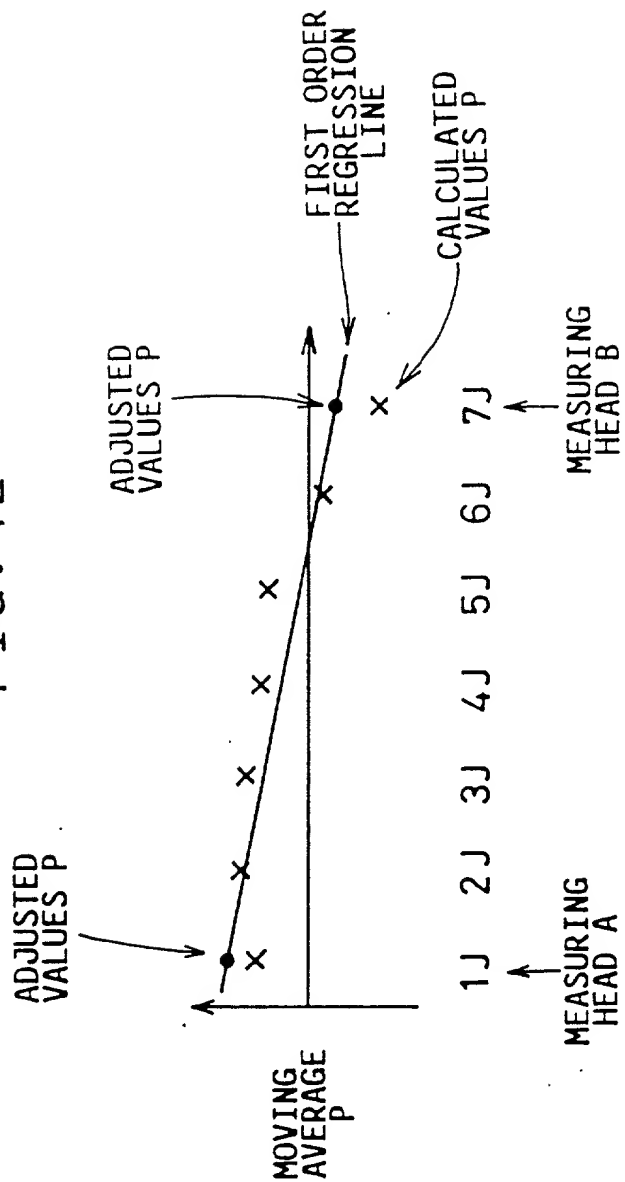


FIG. 43

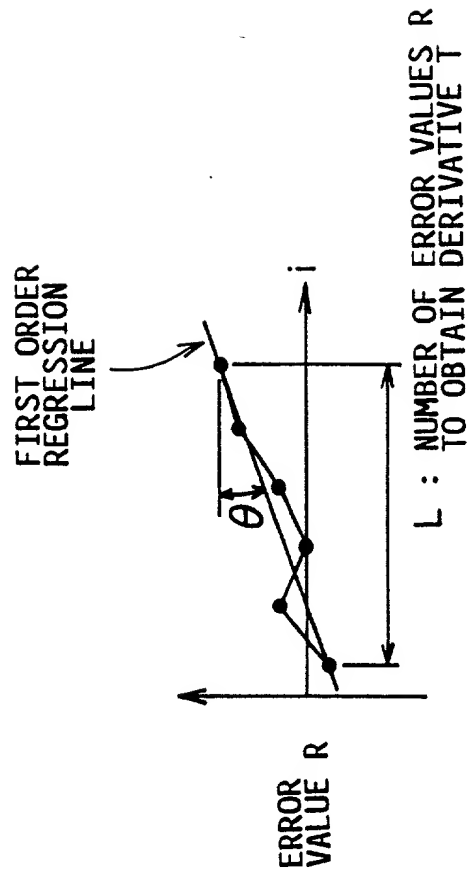


FIG. 44

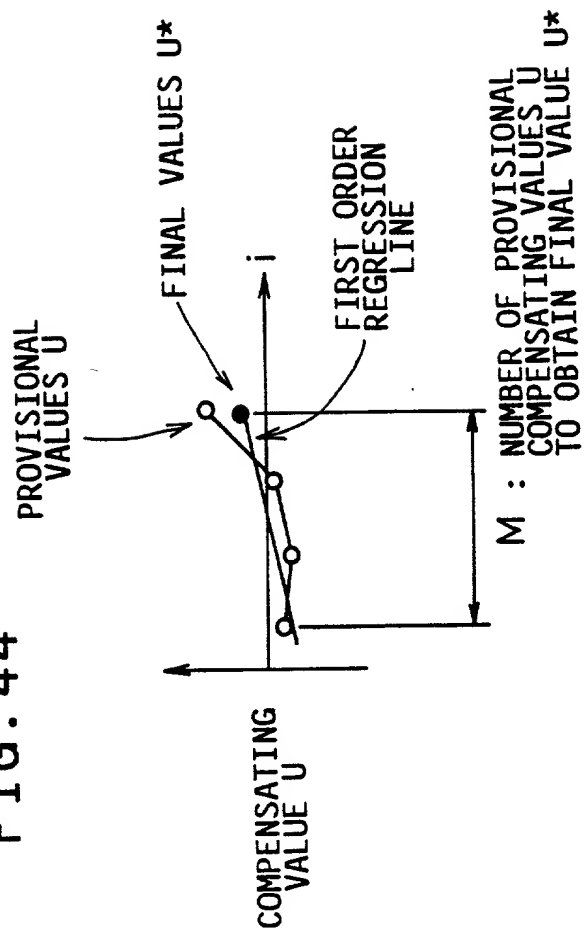


FIG. 45

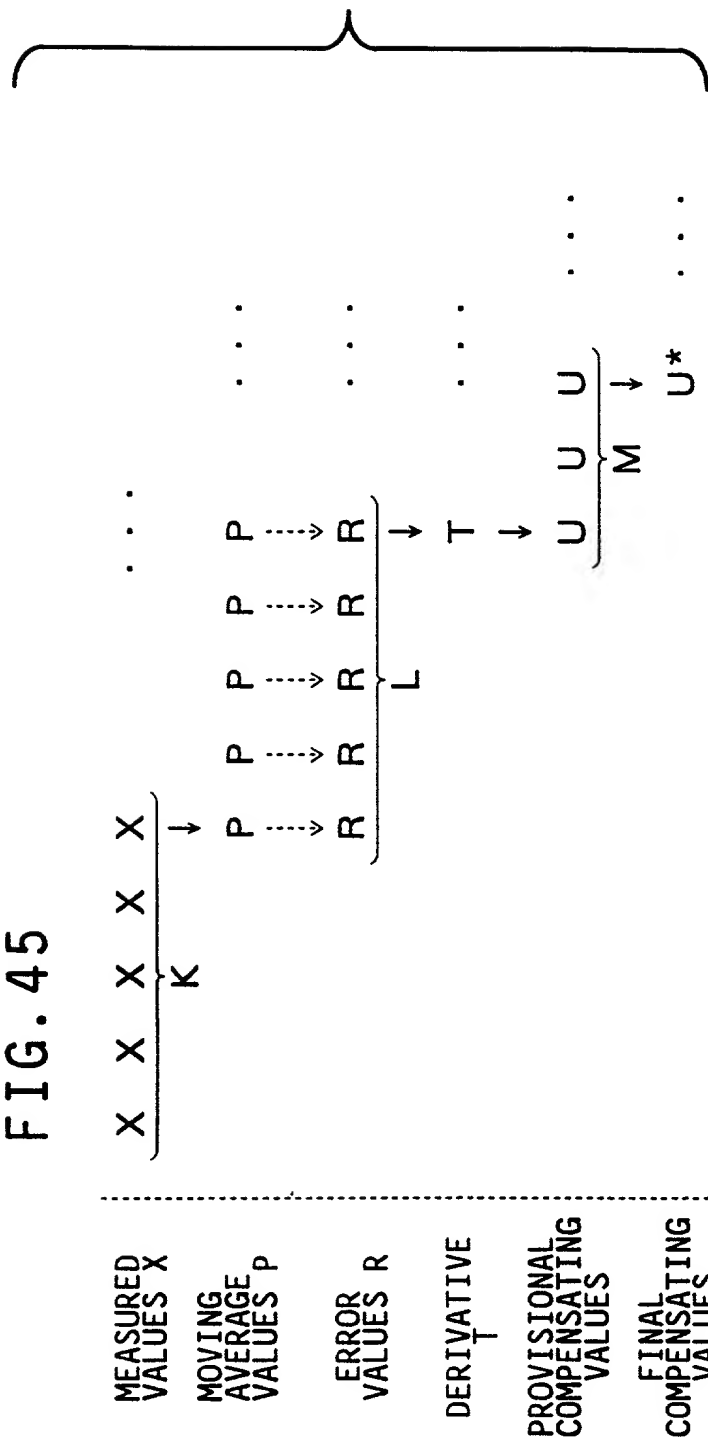


FIG. 46

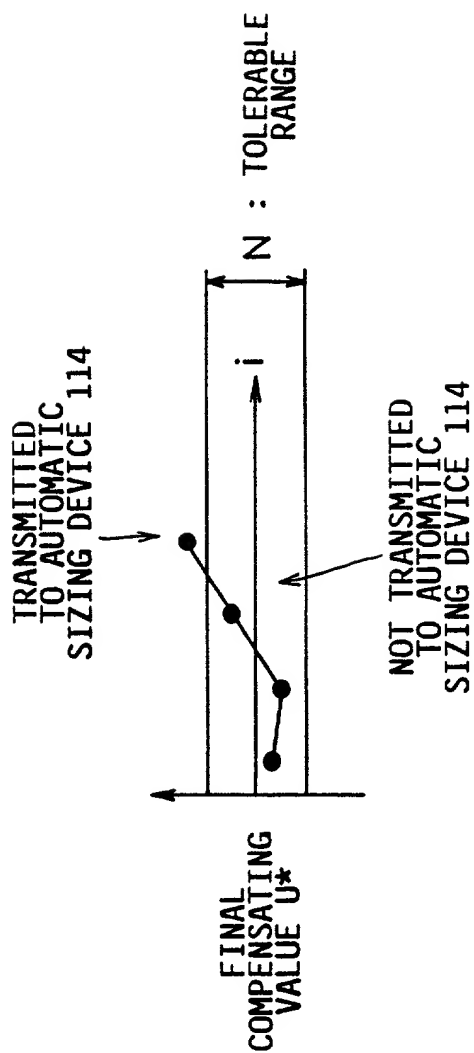


FIG. 47

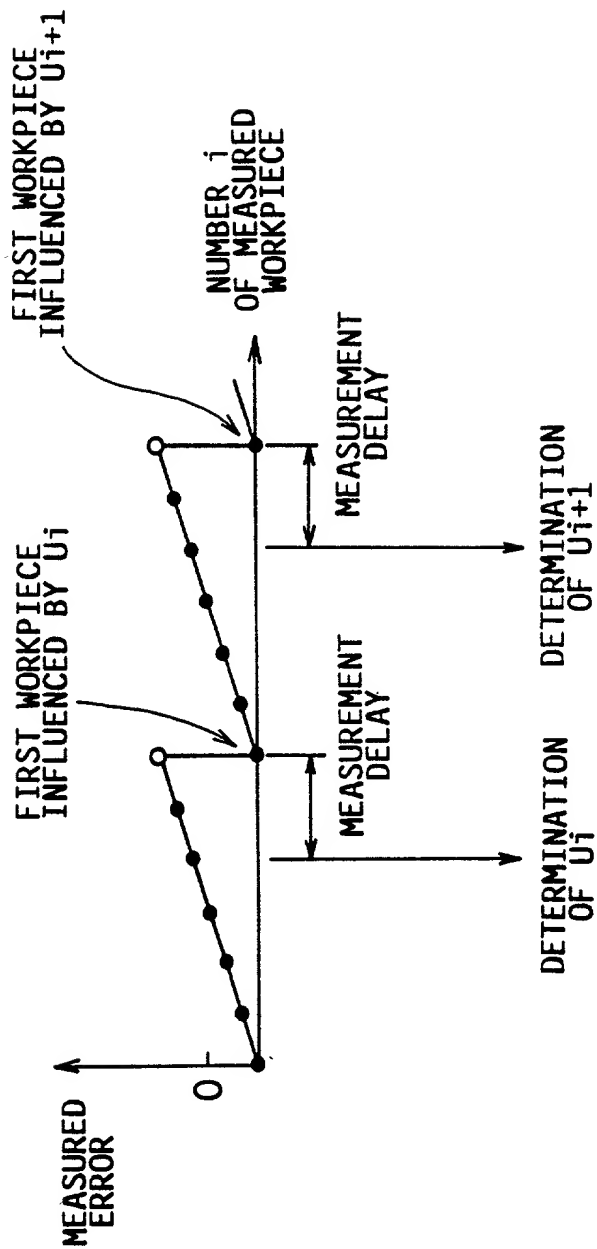


FIG. 48

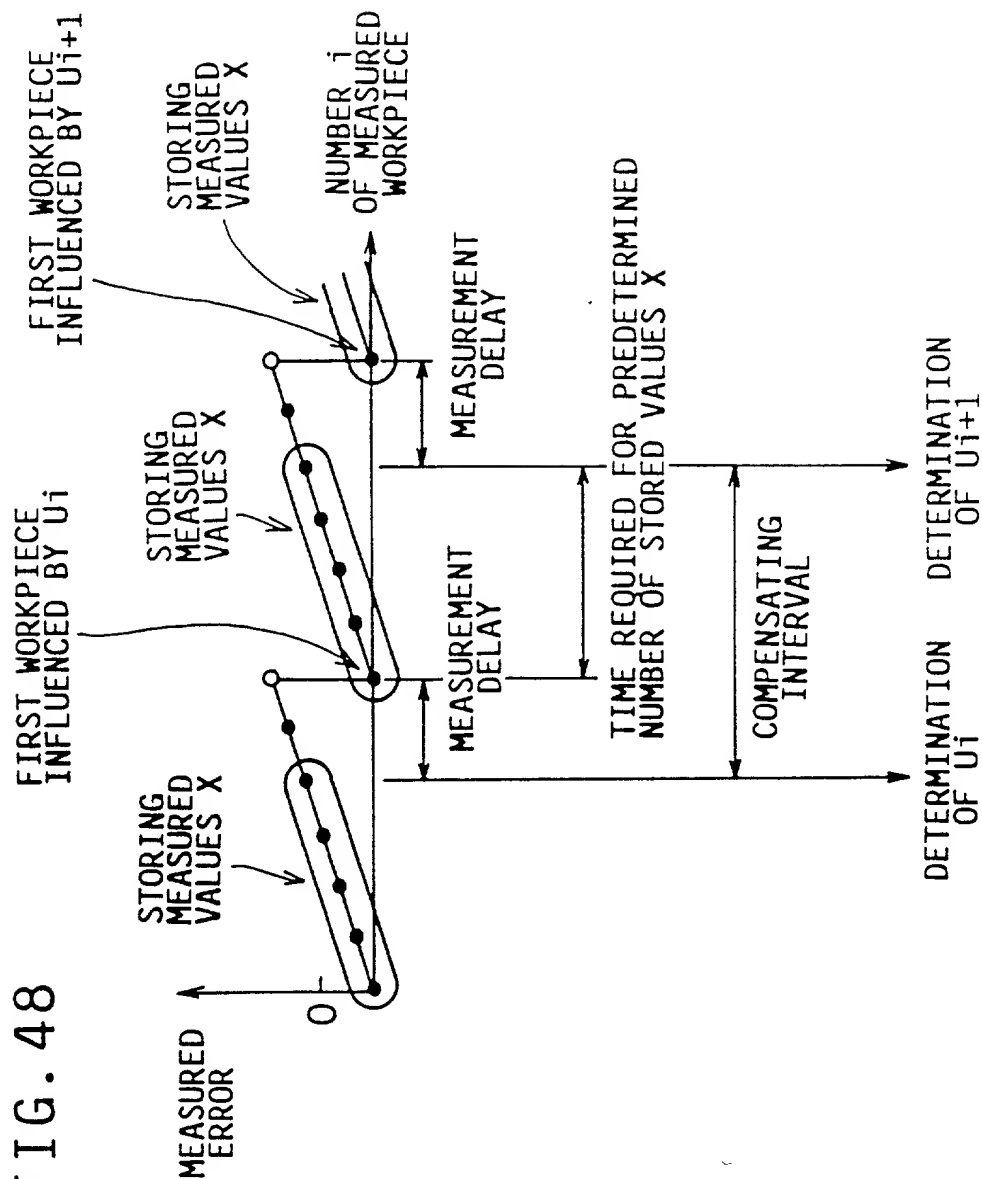


FIG. 49

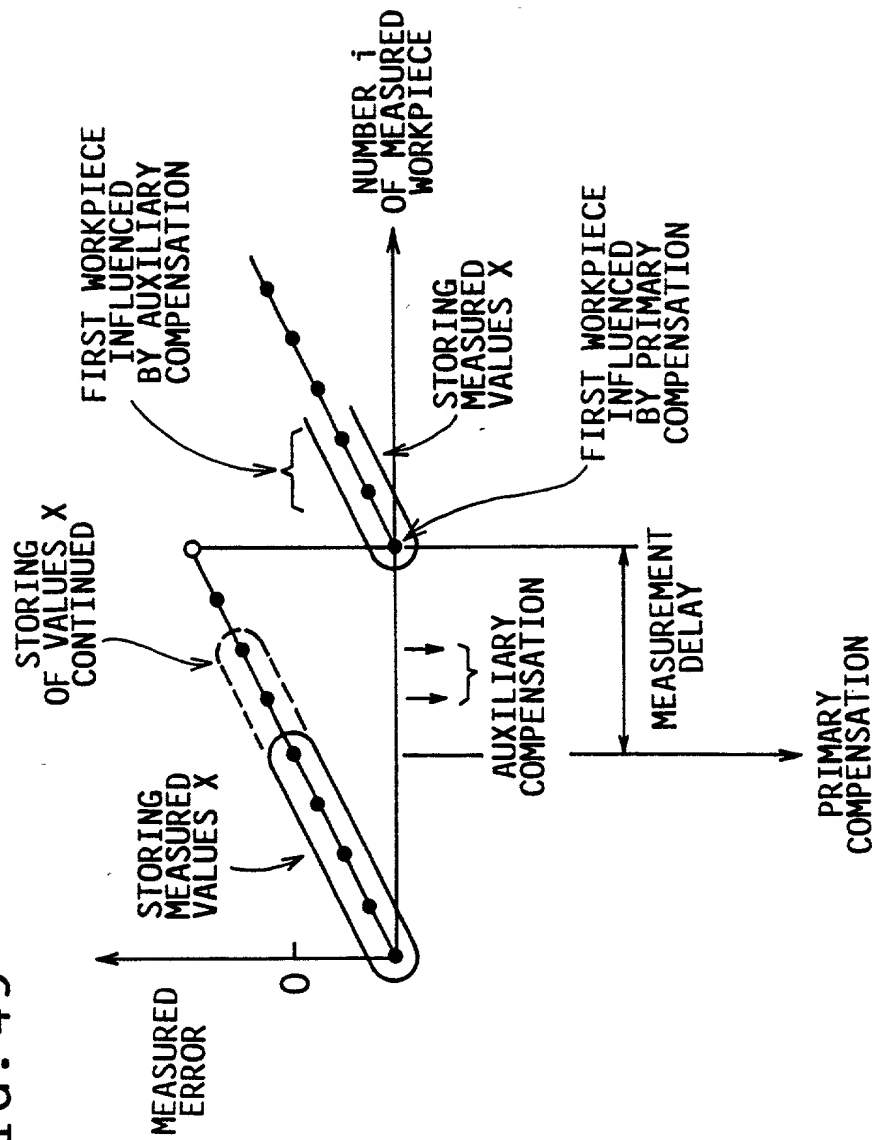
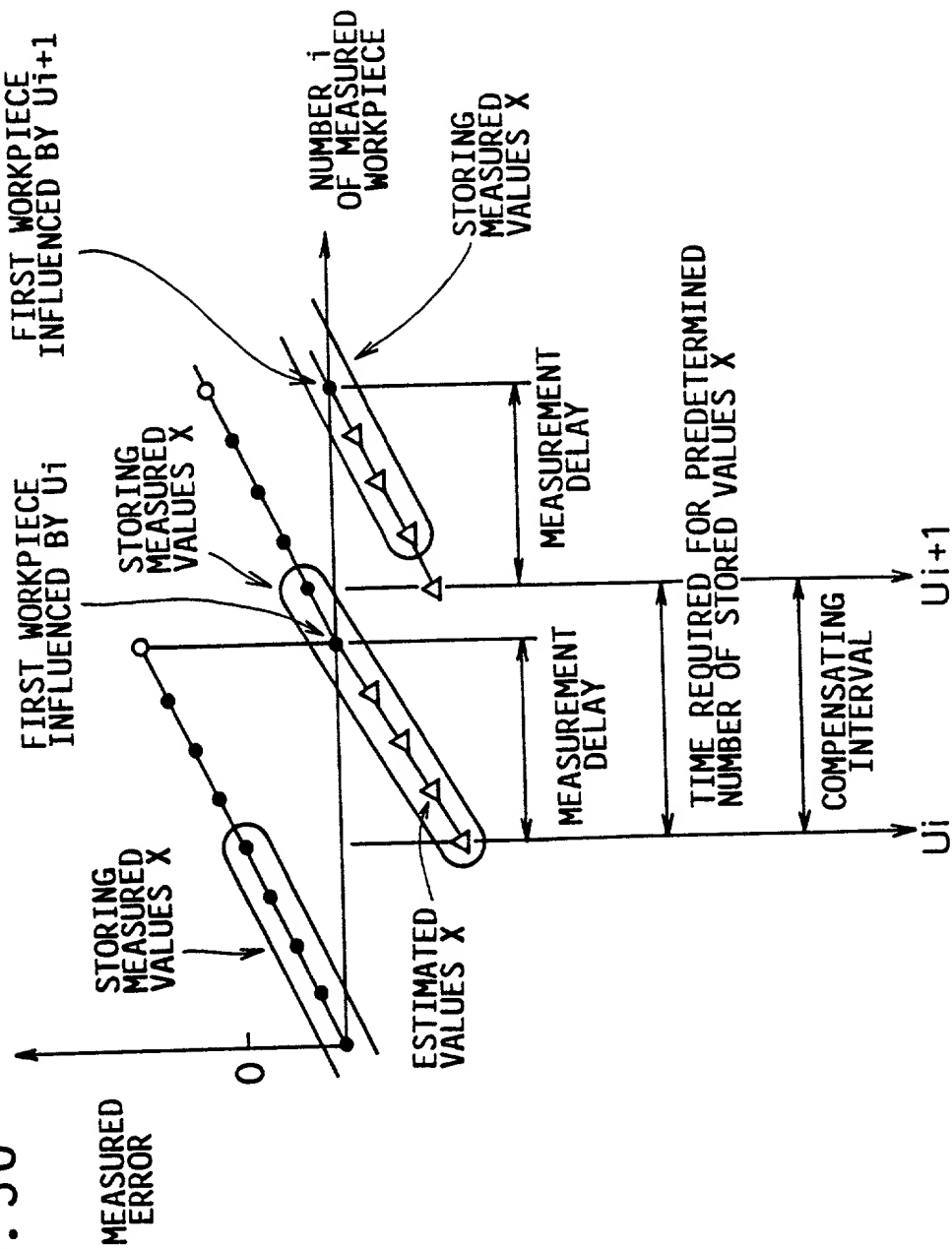


FIG. 50



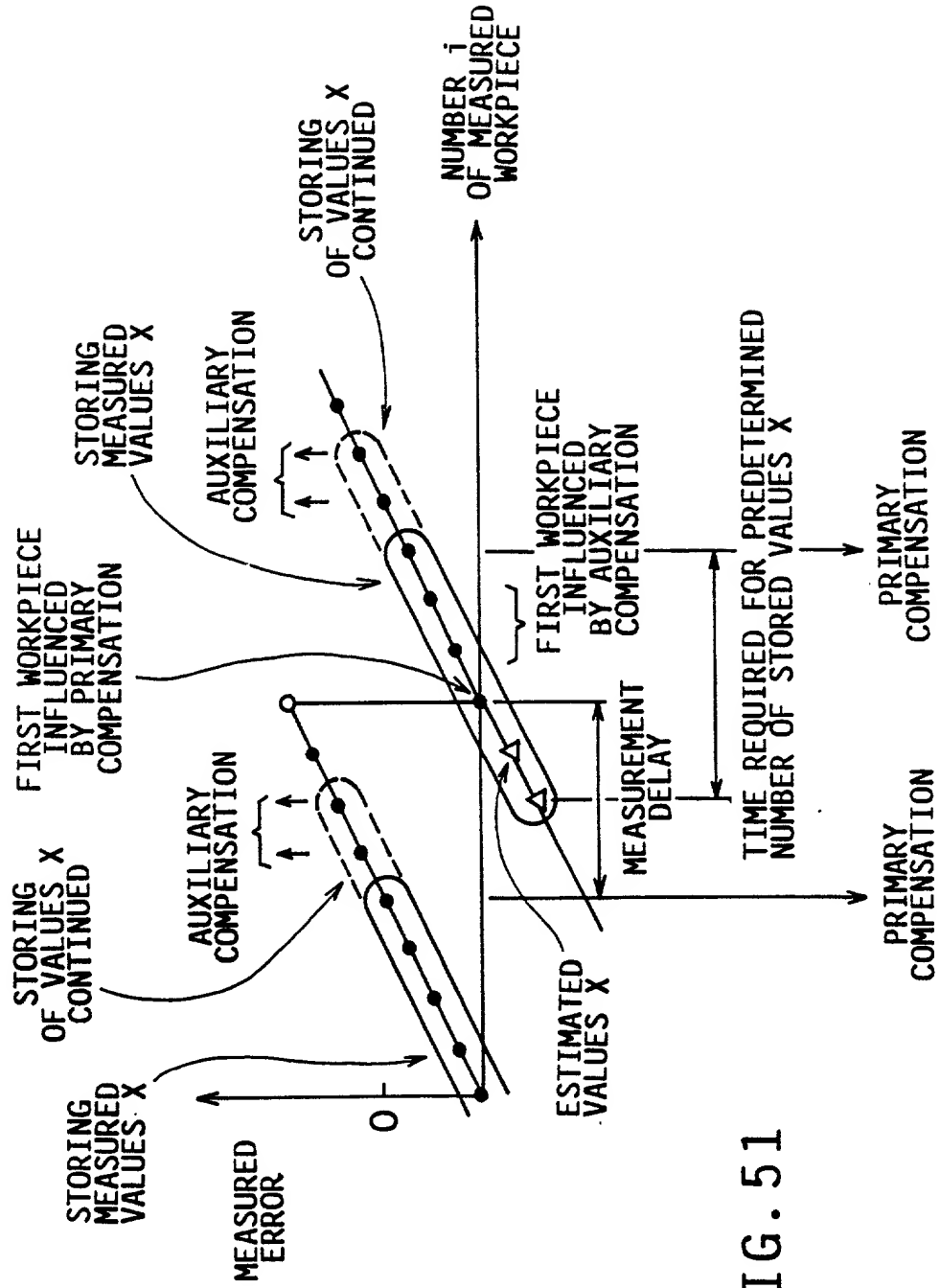
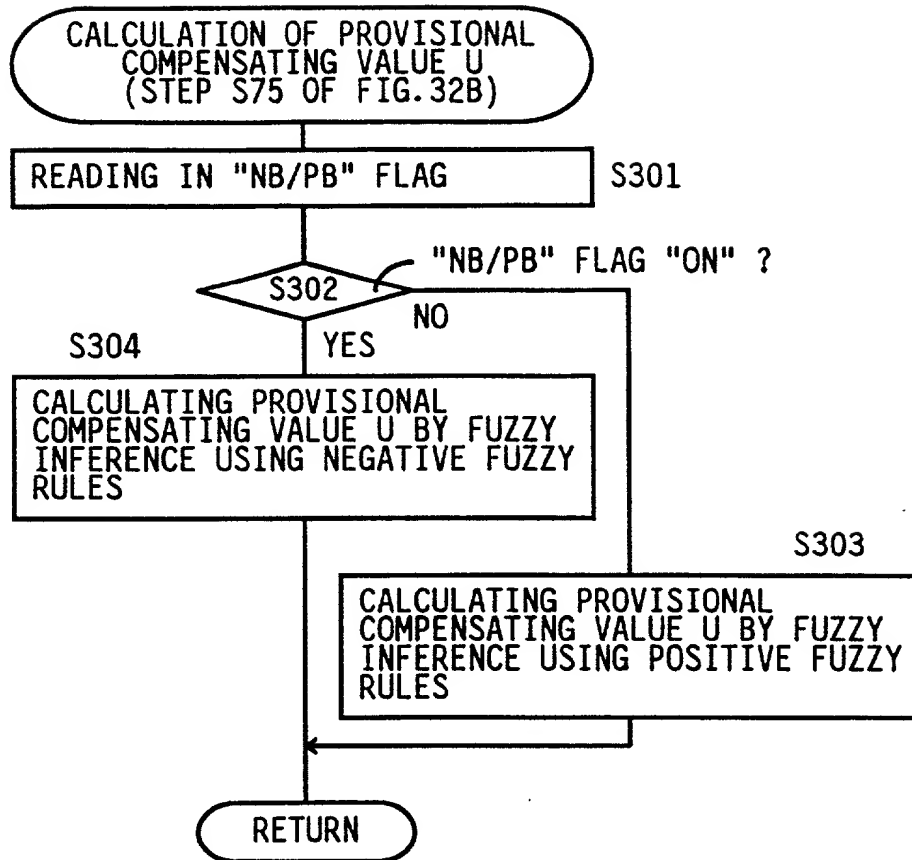


FIG. 51

[illegible]

FIG. 53



00000000.00000000

FIG. 54

